

The features included in this test script for File-Aid DB2 are:-

- Edit/Browse DB2 tables
- Create/Alter/Drop tables
- Ability to do operations using SQLs
- Ability to Select/Insert/Delete/Update records
- To Extract/Load the table into/from a dataset
- Display/Grant/Revoke privileges on DB2 objects

Enter **F;FD** to get into the FILE-AID for DB2 session, **Primary Option Menu** screen.

```
File-AID for DB2 - 3.8 ----- Primary Option Menu -----
OPTION  ===>
0  DEFAULTS and USER PARMS                                USERID   -   WELZ492
1  BROWSE                                                  TIME     -   16:50
2  EDIT                                                    TERMINAL -   3278
3  UTILITIES                                               PF KEYS  -   24
   3.1 - Catalog Facility                                  DB2 SSID ===> DBT
   3.2 - Create, Drop, Alter DB2 Objects
   3.3 - Copy Rows Between Tables
   3.4 - Object List Processing
   3.5 - SQL Command Manager
   3.6 - Display, Grant, Revoke or Modify DB2 Privileges
   3.7 - Extract and Load Tables
   3.8 - DBA-XPRT Column Impact Analysis
4  SQL ANALYSIS - SQL Development and Analysis

6  RELATIONSHIPS - Maintain relationship definitions
R  File-AID/RDX - Transfer to File-AID/Related Data XPRT
XP XPEDITER      - Transfer to XPEDITER
T  TUTORIAL      - Display information about File-AID for DB2
X  EXIT          - Exit File-AID for DB2
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```

Change the *DB2 SSID* field to the required subsystem name.

Option 0: from the **Primary Options Menu** screen takes you to **User Parms** screen. To View/Change the common File-Aid for DB2 system, print and DB2 parameters. Prior to testing, check the following parameters.

```
File-AID for DB2 ----- User Parms -----
OPTION  ===>
DB2 Subsystem: DBT          ===> DBT          DB2 Version: 4.1
Current SQLID: WELZ492     ===> USER         FADB2 Version: 3.8.4.2
                                                SQLP Version: 03.08.03
                                                FM Version: R2.1

1  Browse/Edit/SQL Analysis Display Options
2  SQL Dataset Allocation
3  Batch Options
4  PF Keys
5  Index, Tablespace, and Database default values
6  Logging Options
7  Print Options
```

Option 1 from the **User Parms**, displays the following attributes.

```
File-AID for DB2 ---- Browse/Edit/SQL Analysis Display Options ---- SSID: DBT
COMMAND ==>

Primary, Foreign and Unique Key Options
  Allow update of primary key in edit      ==> OFF      (ON or OFF)
  Indicate foreign key columns while in edit ==> OFF      (ON or OFF)
  Retrieve UNIQUE KEY information prior to edit ==> OFF      (ON or OFF)
Commit Options in EDIT
  AUTOCOMMIT commits changes upon pressing enter ==> OFF      (ON or OFF)
  AUTOSAVE commits changes upon exiting session ==> ON       (ON or OFF)
Lowercase Support for Object Names Browse/Edit
  Object names are converted to uppercase    ==> ON       (ON or OFF)
Lowercase Support for Data in Browse/Edit/SQL Analysis
  Data is converted to uppercase            ==> OFF      (ON or OFF)
Row Selection Option
  Maximum Rows to Select                    ==> 2000    (* = all rows)

----- press DOWN for more display options -----
```

Press PF8 to view more details,

```
File-AID for DB2 ----- Browse/Edit Display Options ----- SSID: DBT
COMMAND ==>

Null Handling Options
  Null Display Character                    ==> -
  Null Entry Character                      ==> @
  Spaces imply null in character columns    ==> OFF      (ON or OFF)
Variable Length Options
  End of variable length column character   ==> #
  Truncate trailing spaces on insert/update ==> ON       (ON or OFF)
Other Options
  Insert default for date/time/timestamp    ==> 1       (1 -> LOCAL,
  Non-displayable data character            ==> .       2 -> GMT)

----- press UP for other DISPLAY OPTIONS -----
```

Option 5 from the **User Parm**s screen,

```
File-AID for DB2 ----- Object Creation Default Values ----- SSID: DBT
COMMAND ==>

DATABASE Name ==>
TABLESPACE Name ==>

----- TABLESPACE Creation Default Values -----
STOGROUP ==>          FREEPAGE ==>          BUFFERPOOL ==> BP0
PRIQTY(K) ==>          PCTFREE ==>          LOCKSIZE ==> ANY
SECQTY(K) ==>          ERASE ==> NO          CLOSE ==> YES
DSETPASS ==>
SEGSIZE ==>

-- OR --
VCAT ==>

----- INDEX Creation Default Values -----
STOGROUP ==>          FREEPAGE ==>          SUBPAGES ==>
PRIQTY(K) ==>          PCTFREE ==>          BUFFERPOOL ==> BP0
SECQTY(K) ==>          ERASE ==> NO          CLOSE ==> YES
DSETPASS ==>

-- OR --
VCAT ==>
```

Option 6 from the **User Parm**s screen,

```
File-AID for DB2 ----- Logging Options ----- SSID: DBT
COMMAND ==>
Logging options for Trace information and generated SQL
Write data to ==> 4
1 = Write to ISPF Log,
2 = Write to screen,
3 = Write to Log and Screen,
4 = No logging
```

Option 7 from the **User Params** screen,

```
File-AID for DB2 ----- Print Options ----- SSID: DBT
COMMAND ==>
Specify Printer Characteristics:
Printer Destination ==>
Lines per Page ==> ..... 55
Sysout Class ==> ..... A
Specify Output Dataset Characteristics:
Dataset Name ==>
Volume Serial ==> ..... DISK01
Generic Unit ==> ..... SYSDA
Directory Block ==> ..... 0
Record Format ==> ..... FB or FBA
Record Length ==> ..... 4092
Block Size ==> ..... 4096
Dataset Password ==> (If password protected)
```

Option 1: Browse from the **Primary Options Menu**,

```
File-AID for DB2 ----- Browse Options ----- SSID ==> DBT
COMMAND ==>
Specify DB2 Table (* or pattern for list)
Location ID ==> Optional:
Creator ==> DSSADU1 Database ==>
Table Name ==> CODE_DECODE Tablespace ==>
Specify Edit Template Information:
Use Existing Criteria ==> NO (Yes or No)
Edit Criteria Dataset ==>
Member ==> (Blank or Pattern for list)
Specify Browse Options:
Initial Display Mode ==> 1 (1 - Table, Multiple rows per screen
2 - Row, One row per screen)
Use Uncommitted Read ==> NO (Yes or No)
Maximum Rows To Select ==> 2000 (* for all rows)
Relationship Dataset ==> 'DBA0.DB2.FR.RELATION'
```

Press Enter;

```
File-AID for DB2 ----- BROWSE Selection Template ----- ROW 1 TO 7 OF 7
COMMAND ==> SCROLL ==> PAGE
SSID: DBT
Use SQL to view/edit the SQL source for DSSADU1.CODE_DECODE
Save Edit Criteria Information:
Save Template Criteria On Execute ==> NO (Yes or No)
Criteria Dataset Name ==>
Member ==>
Max Rows to Select ==> 2000 (* = ALL ROWS)
SEL COLUMN NAME TYPE(LEN) ORDER (A/D) WHERE More: >
-----
___ CATEGORY_ID CHAR(4)
___ CD_ID CHAR(30)
___ BEG_EFCTV_DT DATE
___ END_EFCTV_DT DATE
___ UPDT_TS TIMESTMP
___ DECODE_VALU CHAR(200)
___ UPD_USRID CHAR(8)
***** BOTTOM OF DATA *****
```

By typing **S** in the **SEL** fields for the corresponding columns, only those columns can be selected omitting the others. The **WHERE** clause can be given as below.

To Execute press PF6,

```
File-AID for DB2 ----- BROWSE Selection Template ----- ROW 1 TO 7 OF 7
COMMAND ==> SCROLL ==> PAGE
SSID: DBT

Use SQL to view/edit the SQL source for DSSADU1.CODE_DECODE

Save Edit Criteria Information:
Save Template Criteria On Execute ==> NO (Yes or No)
Criteria Dataset Name ==>
Member ==>

Max Rows to Select ==> 2000 (* = ALL ROWS)

SEL COLUMN NAME TYPE(LEN) ORDER (A/D) WHERE More: >
-----+-----+-----+-----+-----+
S_ CATEGORY_ID CHAR(4) - - - - - +-----10-----+-----20-----+
S_ CD_ID CHAR(30) = '0000'
_ BEG_EFCTV_DT DATE
_ END_EFCTV_DT DATE
_ UPDT_TS TIMESTMP
```

Option 2: Edit from the **Primary Option Menu** screen:

The screens and functions are similar as Browse option, except you can also change the table contents.

Option 3: Utilities from the **Primary Option Menu** screen, puts you in **Utility Selection Menu** screen.

```
File-AID for DB2 ----- Utility Selection Menu -----
OPTION ==> SSID ==> DBT

1 CATALOG - Catalog Facility
DB2 Catalog VISIBILITY Connection

2 OBJECTS - Create, Drop, Alter
TABLE/TABLESPACE/INDEX/VIEW/SYNONYM/ALIAS

3 COPY - COPY Rows Between TABLES
Copy Entire TABLES or Rows/Columns Selectively

4 OBJECT LIST - Process DB2 Object Lists

5 SQL MGR - SQL Command Manager
SPUFI Connection

6 PRIVILEGES - Display, Grant, Revoke, or Modify DB2 Privileges

7 EXTRACT,LOAD - Extract and Load Tables

8 IMPACT ANALYSIS - Identify DB2 objects affected by a column change
```

Option 2 from **Utility Selection Menu** to Create, Drop, Alter DB2 Objects

```
File-AID for DB2 ----- Object Selection -----
OPTION ==> SSID ==> DBT

1 Tables - Create, Drop, Alter
2 TableSpaces - Create, Drop, Alter
3 Indexes - Create, Drop, Alter
4 Views - Create, Drop
5 Synonyms - Create, Drop, Modify
6 Aliases - Create, Drop, Modify
```


This displays the below screen. Type the key position **1** on the **SELECT** field and press PF3. To scroll up and down use PF7 & PF8.

```

COMMAND ==>
                                ROW 1 TO 6 OF 14
SELECT      COLUMN NAME      DATA TYPE(LENGTH)
(1,2,,,n)

  1_        NO                CHAR(10)
  ---      NO1               LONGVAR(1980)
  ---      NO2               VARCHAR(10)
  ---      NO3               INTEGER
  ---      NO4               SMALLINT
  ---      NO5               REAL
    
```

To define a foreign key type **FOREIGN** on the *COMMAND* line and enter;

```

File-AID for DB2 ----- Foreign Key Definition - WELZ492.  ROW 1 TO 14 OF 14
COMMAND ==>
                                SCROLL ==> PAGE

Scroll right for additional foreign keys

Creator          => Foreign Key 1      => Foreign Key 2
Table Name       =>
Constraint Name  =>
Delete Rule      =>
(Cascade, Restrict, Set Null)

COLUMN NAME      DATA TYPE          Select      Select
(1,2,,,n)        (1,2,,,n)

NO               CHAR(10)           =>           =>
NO1              LONGVAR(1980)      =>           =>
NO2              VARCHAR(10)        =>           =>
NO3              INTEGER           =>           =>
NO4              SMALLINT         =>           =>
NO5              REAL             =>           =>
NO6              FLOAT             =>           =>
NO7              DECIMAL(5,0)       =>           =>
NO8              GRAPHIC(1)         =>           =>
NO9              VARG(10)           =>           =>
NO10             LONGVARG(990)         =>           =>
NO11             DATE               =>           =>
NO12             TIME               =>           =>
NO13             TIMESTMP           =>           =>
*****
***** BOTTOM OF DATA *****
    
```

After finishing the definitions of primary and foreign keys, go back to the **Table Create** screen. Enter the **CREATE** command line and press Enter.

Index Create screen will be displayed with the message to create index.

```

Menu  Actions  Utilities  Help
-----
File-AID for DB2                Index Create                ROW 1 TO 14 OF 14
COMMAND ===>                    SCROLL ===> PAGE
Table created, Index required on primary key.
Creator    ===> WELZ492          Creator    : WELZ492
Index Name ===>                  Table Name: TEST_TABLE

Index Type ===> 2 (1/2)         Partitioned ===> N (Y/N)
Cluster    ===> Y (Y/N)         Unique     ===> 1 (1. Yes, 2. No,
                                   3. Unique when not null)

  SELECT      A/D  COLUMN NAME          DATA TYPE(LENGTH)
(1,2,...,n)
  1_          -   NO                   CHAR(10)
  ---        -   NO1                  LONGVAR(1980)
  ---        -   NO2                  VARCHAR(10)
  ---        -   NO3                  INTEGER
  ---        -   NO4                  SMALLINT
  ---        -   NO5                  REAL
  ---        -   NO6                  FLOAT
  ---        -   NO7                  DECIMAL(5,0)
  ---        -   NO8                  GRAPHIC(1)
  ---        -   NO9                  VARG(10)
  ---        -   NO10                 LONGVARG(990)
  ---        -   NO11                 DATE
  ---        -   NO12                 TIME
  ---        -   NO13                 TIMESTMP
    
```

Give the index name and enter **CREATE** command on the *COMMAND* line, if you get the authorization sql code -551 while creating the index drop the primary key and try creating the table with out a primary key.

```

Menu  Utilities  Help
-----
File-AID for DB2                Tables                SSID ===> DBT
OPTION  ===> d
  C - Create TABLE
  A - Alter  TABLE
  D - Drop   TABLE

Enter:
Creator    ===> WELZ492          Database   ===> DSQDBDEF
Table Name ===> TEST_TABLE       Tablespace ===> DSQTSDEF
    
```

Pressing Enter will put you in confirmation screen. Enter to confirm, **TABLE dropped message** will appear as below

```

Menu  Utilities  Help
-----
File-AID for DB2                Tables                TABLE dropped
OPTION  ===>                    SSID ===> DBT
  C - Create TABLE
  A - Alter  TABLE
  D - Drop   TABLE

Enter:
Creator    ===> WELZ492          Database   ===> DSQDBDEF
Table Name ===> TEST_TABLE       Tablespace ===> DSQTSDEF
    
```

Option 3: from the **Utility Selection Menu** to go to **Table Copy Selection** screen

Fillup the following details. The number of rows to be copied can be selected by giving the value in the *Maximum rows to Select* field.

```

File-AID for DB2 ----- Table Copy Selection -----
COMMAND ==>                                     SSID ==> DBT

Specify Table Copy Option:
  Specify Option ==>                               Blank - Full Table Copy
                                                    T - Use a Selection Template
                                                    S - Use SQL for Selection (SPUFI)

                From Table                       To Table
                -----                       -----
Creator        ==> DSSADU1                       Creator        ==> WELZ492
Table Name     ==> CODE_DECODE                   Table Name     ==> CODE_DECODE

Maximum Rows To Select ==> *                       (* for all rows)
Column Selection      ==> NO                       (Yes or No)
Delete Existing Rows ==> NO                       (Yes or No)
Column Name Matching ==> YES                      (Yes or No)
Discard Limit        ==> 0
    
```

Press Enter; displays the **no-of-rows rows copied**

If Yes is specified for Column Selection, it displays the below screen

```

File-AID for DB2 ----- Copy Column Selection -----
COMMAND ==>                                     ROW 1 TO 7 OF 7
                                                    SCROLL ==> PAGE
                                                    SSID: DBT

Use SQL to view/save the SQL source

From Table: DSSADU1.CODE_DECODE
To Table  : WELZ492.CODE_DECODE

      From Table Columns  Data Type      Map  To Table Columns  Data Type
      -----
1     CATEGORY_ID        CH(4)          1     CATEGORY_ID        CH(4)
2     CD_ID              CH(30)         2     CD_ID              CH(30)
3     BEG_EFCTV_DT       DT             3     BEG_EFCTV_DT       DT
4     END_EFCTV_DT       DT             4     END_EFCTV_DT       DT
5     UPDT_TS            TS             5     UPDT_TS            TS
6     DECODE_VALU        CH(200)        6     DECODE_VALU        CH(200)
7     UPD_USRID          CH(8)          7     UPD_USRID          CH(8)
***** BOTTOM OF DATA *****
    
```

If required, target fields can be associated with the From fields, by changing the values in the Map columns.

Option 4: from the **Utility Selection Menu** to go to **Object list Utility** screen.

Allows you to display object lists and manipulate them using simple line commands.

```

File-AID for DB2 ----- Object List Utility -----
COMMAND ==>                                     SSID ==> DBT

Enter both of the parameters below:
  Object Name   ==> CODE_DECODE                   (* for all)
  Object Type   ==> 1                             (*=All, 1=Table, 2=View,
                                                    3=Tables/Views, 4=Synonym,
                                                    5=Alias, 6=Index, 7=Tablespace,
                                                    8=Plan, 9=Package)

Specify Selection Criteria:
  Object Creator ==> DSSADU1                       (For all except Tablespace & Package)
  Database Name ==>                               (For Tablespace only)
  Collection ID ==>                               (For Package only)

Specify Drop Request Option:
  Confirm Drop  ==> YES                           (Yes or No)

* The following line commands will be available when the list is displayed:

B - Browse Object      G - Grant Priv on Object      P - Display Privileges
E - Edit Object       R - Revoke Priv on Object     PM - Privilege Modify
D - Drop Object       L - Load an Object          I - Object Information
A - Alter Object      X - Extract from an Object   GD - Generate DDL
    
```

Enter name of the object in the *Object Name* field. Depending upon the object type choose the respective number from the *Object Type*.

Enter; will display the **Object List Selection** screen,

```
File-AID for DB2 ----- Object List Selection ----- ROW 1 TO 1 OF 1
COMMAND ===>                                     SCROLL ==> PAGE
                                                    SSID: DBT

E - Edit   B - Browse   A - Alter   D - Drop   G - Grant   R - Revoke  GD - DDL
L - Load   X - Extract  P - Privileges  PM - Privilege Modify  I - Information

Cmd  Name                               Creator      Type          Message
-----
DSSADU1.CODE_DECODE                     DSSADU1     TABLE
***** BOTTOM OF DATA *****
```

Most of the options are either explained before or in the coming sections. The screens for every option is similar to the one explained in other sections. Type **I** on the *Cmd* field and press Enter; displays the **Table Information** screen

```
File-AID for DB2 ----- Table Information ----- SSID: DBT
COMMAND ===>

Use 'S' to select more information for Table: DSSADU1.CODE_DECODE
- Column Information
- Index Information
- Related Table Information
- Table Partition Statistics
- Table Check Constraints

CREATEDBY: DBMZ127      PCTPAGES: 100      AUDITING   : N
COLCOUNT : 7          KEYCOLS   : 3        CHECKRID   : <NONE>
DBNAME     : NFOUDB01  KEYOBID   : 575     CHECKFLAG  : <NONE>
TSNAME     : NFOTS160 STATUS    : X        RBA1      : 005A3D7A2BE4
CARD       : 10000     PARENTS   : 0        RBA2      : 005A3D7A2BE4
DBID       : 561       CHILDREN  : 0        CREATEDTS  : 1996-04-15-02.18.20.939154
OBID       : 373       DATACAPT  : N        ALTEREDTS  : 1996-10-23-14.14.05.549058
TYPE       : T         PCTRWCOMP: -1     STATSTIME  : 0001-01-01-00.00.00.000000
RECLNGTH  : 268      EDPROC   : <NONE>   CHECKS     : 0
NPAGES    : 772      VALPROC  : <NONE>

LABEL     : <NONE>
```

The column information for the table is displayed if you Enter **S** in the *Column Information* field above,

```
File-AID for DB2 ----- Column Information ----- ROW 1 TO 7 OF 7
COMMAND ===>                                     SCROLL ==> PAGE
                                                    SSID: DBT

Use 'S' for additional Column information
- Column Partition Statistics

Creator   : DSSADU1      Database  : NFOUDB01
Table Name: CODE_DECODE Tablespace: NFOTS160      More: >

Column Name      Number  Type      Length  Scale  Null  Default Value
-----
BEG_EFCTV_DT     3      DATE      10      0      N      NO DEFAULT VALUE
CATEGORY_ID      1      CHAR       4      0      N      NO DEFAULT VALUE
CD_ID            2      CHAR      30      0      N      NO DEFAULT VALUE
DECODE_VALU     6      CHAR     200      0      N      NO DEFAULT VALUE
END_EFCTV_DT     4      DATE      10      0      N      NO DEFAULT VALUE
UPD_USRID       7      CHAR       8      0      N      NO DEFAULT VALUE
UPDT_TS         5      TIMESTM   26      0      N      NO DEFAULT VALUE
***** BOTTOM OF DATA *****
```

The column information for the table is displayed if you Enter **I** in the *Index Information* field on **Table Information** screen.

```
File-AID for DB2 ----- Index Information ----- SSID: DBT
COMMAND ==>

Use 'S' for additional Index Information:
_ Index Key Information
_ Index Partition Information

Creator      : DSSADU1          Database   : NFOUDB01
Table Name:  CODE_DECODE      Tablespace: NFOTS160

Index Information for: DSSADU1.NFOP1601

CREATEDBY    : DBMZ127      INDEXSPACE : NFOP1601    NLEAF       : 118
UNIQUERULE   : PRIMARY     DBNAME     : NFOUDB01    NLEVELS    : 3
COLCOUNT    : 3           BPOOL     : BP3        PAGESIZE   : 4096
CLUSTERING   : Y           DBID      : 561        FRSTKYCRD  : 10000
CLUSTERED    : Y           OBID      : 575        FULLKYCRD  : 10000
CLUSTERRATIO : 100         ISOBID    : 576        ERASERULE  : N
DASDSPACE    : 1920        DSETPASSW :             CLOSERULE  : N
STATSTIME    : 1996-10-31-11.41.31.305368  INDEXTYPE : 2
```

Enter **S** on *Index Key Information* field to know about the Index Key;

```
File-AID for DB2 ----- Index Key Information ----- ROW 1 TO 3 OF 3
COMMAND ==>                                SCROLL ==> PAGE

CREATOR: DSSADU1          DATABASE: NFOUDB01
TABLE NAME: CODE_DECODE  TABLESPACE: NFOTS160

Index Key Information for: DSSADU1.NFOP1601

COLUMN NAME      COLNO  COLSEQ  ORDERING
CATEGORY_ID      1      1      ASCENDING
CD_ID             2      2      ASCENDING
BEG_EFCTV_DT     3      3      ASCENDING
***** BOTTOM OF DATA *****
```

Enter **GD** as below and press Enter

```
File-AID for DB2 ----- Object List Selection ----- ROW 1 TO 1 OF 1
COMMAND ==>                                SCROLL ==> PAGE
                                           SSID: DBT

E - Edit   B - Browse   A - Alter   D - Drop   G - Grant   R - Revoke  GD - DDL
L - Load   X - Extract   P - Privileges  PM - Privilege Modify  I - Information

Cmd  Name                      Creator      Type      Message
-----
GD   DSSADU1.CODE_DECODE        DSSADU1     TABLE
***** BOTTOM OF DATA *****
```

Enter; Generates a DDL for the table as below

```
EDIT ---- WELZ492.SHOW.SQL(SHOWSQL) - 01.00 ----- COLUMNS 001 072
COMMAND ==>                                SCROLL ==> PAGE
***** TOP OF DATA *****
000001 CREATE TABLE DSSADU1.CODE_DECODE (CATEGORY_ID CHAR(4) NOT
000002 NULL,
000003 CD_ID CHAR(30) NOT NULL,
000004 BEG_EFCTV_DT DATE NOT NULL,
000005 END_EFCTV_DT DATE NOT NULL,
000006 UPDT_TS TIMESTAMP NOT NULL,
000007 DECODE_VALU CHAR(200) NOT NULL,
000008 UPD_USRID CHAR(8) NOT NULL,
000009 PRIMARY KEY (CATEGORY_ID,
000010 CD_ID,
000011 BEG_EFCTV_DT)) IN NFOUDB01.NFOTS160
000012 WITH RESTRICT
000013 ON DROP;
***** BOTTOM OF DATA *****
```

Option 5: from the **Utility Selection Menu** to go to **SPUFI**

```

====>                                SPUFI                                SSID: DBT

Enter the input data set name:          (Can be sequential or partitioned)
1  DATA SET NAME ... ==> 'CSS8.V7F.CNTL(SELECT)'
2  VOLUME SERIAL ... ==>                (Enter if not cataloged)
3  DATA SET PASSWORD ==>              (Enter if password protected)

Enter the output data set name:        (Must be a sequential data set)
4  DATA SET NAME ... ==> 'CSS8.V7F.SQLOUT'

Specify processing options:
5  CHANGE DEFAULTS ... ==> NO          (Y/N - Display SPUFI defaults panel?)
6  EDIT INPUT ..... ==> YES           (Y/N - Enter SQL statements?)
7  EXECUTE ..... ==> YES              (Y/N - Execute SQL statements?)
8  AUTOCOMMIT ..... ==> YES           (Y/N - Commit after successful run?)
9  BROWSE OUTPUT ... ==> YES          (Y/N - Browse output data set?)

For remote SQL processing:
10 CONNECT LOCATION ==>

PRESS:  ENTER to process      END to exit          HELP for more information
    
```

Give the SQL dataset along with the member name and the Output dataset name. Press Enter. This will put you in the SQL edit session.

```

EDIT ---- CSS8.V7F.CNTL(SELECT) - 01.00 ----- COLUMNS 001 072
COMMAND ==>                                SCROLL ==> CSR
***** ***** TOP OF DATA *****
000100  SELECT * FROM DSSADU1.CODE_DECODE
***** ***** BOTTOM OF DATA *****
    
```

After typing the SQL press PF3;Enter, the SQL would have executed and the results will appear on the screen.

Option 7: from the **Utility Selection Menu** to go to **Extract/Load Menu** screen.

```

File-AID for DB2 ----- Extract/Load Menu -----
OPTION ==>                                SSID ==> DBT

  1 - Extract from a Table to a dataset
  2 - Load from a dataset to a Table
    
```

Option 1 from the **Extract/Load Menu** screen will display the **Extract Options**:

```

File-AID for DB2 ----- Extract Options -----
COMMAND ==>                                SSID ==> DBT

Specify DB2 Table (* or pattern for list)      Optional:
Creator   ==> DSSADU1                          Database  ==>
Table Name ==> CODE_DECODE                      Tablespace ==>

Specify Extract Template Information:
Use Existing Criteria ==> NO                    (Yes or No)
Edit Criteria Dataset ==>
Member      ==>                                (Blank or Pattern for list)

Specify Extract Options:
Processing Mode      ==> 1                      (1 = Online, 2 = Batch)
Formatted Print Report ==> NO                  (Yes or No)
Maximum Rows to Select ==> 2000                (* for all rows)
Extract Null Indicators ==> YES                (Yes or No)
    
```

Enter;

```
File-AID for DB2 ----- EXTRACT Selection Template ----- ROW 1 TO 7 OF 7
COMMAND ==> SCROLL ==> PAGE
SSID: DBT

Use SQL to view/edit the SQL source for DSSADU1.CODE_DECODE

Save Edit Criteria Information:
Save Template Criteria On Execute ==> NO (Yes or No)
Criteria Dataset Name ==>
Member ==>

Max Rows to Select ==> 2000

SEL COLUMN NAME TYPE(LEN) ORDER (A/D) WHERE More: >
-----+-----+-----+-----+-----+
| CATEGORY_ID | CHAR(4) | | | | 10 | 20 |
| CD_ID | CHAR(30) | | | | | |
| BEG_EFCTV_DT | DATE | | | | | |
| END_EFCTV_DT | DATE | | | | | |
| UPDT_TS | TIMESTMP | | | | | |
| DECODE_VALU | CHAR(200) | | | | | |
| UPD_USRID | CHAR(8) | | | | | |
|-----+-----+-----+-----+-----+
| BOTTOM OF DATA |-----+-----+-----+-----+-----+|
```

Select the required columns and give the required condition for where clause and press PF6 or type EXECUTE on the COMMAND line on above screen.

```
File-AID for DB2 ----- Extract table DSSADU1.CODE_DECODE --- SSID: DBT
COMMAND ==>

Specify Extract Dataset Format:
EXTRACT Dataset format ==> 1 (1 = Standard, 2 = Delimited)
Change Delimited Options ==> NO (Yes or No)

Specify Output Datasets:
EXTRACT Dataset ==> 'WELZ492.*.UNLOAD'
Member ==> (* for member list)

Control Card Dataset ==> 'WELZ492.*.CTRL'
Member ==> (* for member list)

Create Layout File ==> NO (Yes or No)
Layout Dataset ==> 'WELZ492.*.COBOL'
Member ==> (* for member list)
Language ==> (1 = COBOL, 2 = PL/I)

An asterisk (*) in the above Dataset names will be replaced with:
Table Name ==> CODEDECO
```

Press Enter; The screen to allocate the Extract dataset and Control card dataset will appear next

```
File-AID for DB2 ----- EXTRACT Dataset Allocation -----
COMMAND ==>

Specify the EXTRACT Dataset attributes, then press ENTER

EXTRACT Dataset Name ==> 'WELZ492.CODEDECO.UNLOAD'
Member ==>

Volume Serial ==> (Blank for authorized default volume) *
Generic Unit ==> SYSDA (Generic group name or unit address) *
SPACE UNITS ==> TRKS (BLKS, TRKS, or CYLS)
Primary Quantity ==> 20 (In above units)
Secondary Quantity ==> 20 (In above units)
Directory BLOCKS ==> 0 (Zero for sequential dataset)
Record Format ==> FB (FB/VB)
Record Length ==> 288
Block Size ==> 23616

( * One of these fields must be specified )
```

```
File-AID for DB2 ----- CONTROL CARD Dataset Allocation -----
COMMAND ==>

Specify the CONTROL CARD Dataset attributes, then press ENTER

CONTROL CARD Dataset   ==> 'WELZ492.CODEDECO.CTRL'
Member                 ==>

Volume Serial          ==>                (Blank for authorized default volume) *
Generic Unit           ==>                (Generic group name or unit address) *
Space Units            ==> TRACKS         (BLKS, TRKS, or CYLS)
Primary Quantity       ==> 20            (In above units)
Secondary Quantity     ==> 20            (In above units)
Directory BLOCKS      ==> 0             (Zero for sequential dataset)
Record Format           ==> FB           (FB/VB)
Record Length          : 80
Block Size             ==> 6160

( * Only one of these fields may be specified )
```

When you press Enter for the above screens, the message saying, that the datasets allocated will appear and then it will ask for confirmation to extract the table. After pressing the Enter, the extract process will start and the following message will be displayed.

```
File-AID for DB2 ----- EXTRACT Selection Template      2000 records extracted
COMMAND ==>                                           SCROLL ==> PAGE
                                                    SSID: DBT

Use SQL to view/edit the SQL source for DSSADU1.CODE_DECODE

Save Edit Criteria Information:
Save Template Criteria On Execute ==> NO      (Yes or No)
Criteria Dataset Name ==>
Member ==>

Max Rows to Select ==> 2000

SEL  COLUMN NAME          TYPE(LEN)          ORDER (A/D)  WHERE          More: >
----  -----
___  CATEGORY_ID          CHAR(4)
___  CD_ID                CHAR(30)
___  BEG_EFCTV_DT         DATE
___  END_EFCTV_DT         DATE
___  UPDT_TS              TIMESTMP
___  DECODE_VALU          CHAR(200)
___  UPD_USRID            CHAR(8)
***** BOTTOM OF DATA *****
```

The extracted dataset is as below;

```
BROWSE -- WELZ492.CODEDECO.UNLOAD ----- LINE 00000000 COL 001 080
COMMAND ==>                                           SCROLL ==> CSR
***** TOP OF DATA *****
00000000001  1995-01-011999-12-311995-10-19-15.50.00.613286
00000000002  1995-01-011999-12-311995-10-19-15.50.52.337346
00000000003  1995-01-011999-12-311995-10-19-15.51.15.574922
00000000004  1995-01-011999-12-311995-10-19-15.51.45.546616
00000000005  1995-01-011999-12-311995-10-19-15.52.08.257983
```

The control card dataset information is as below;

```
BROWSE -- WELZ492.CODEDECO.CTRL ----- LINE 00000000 COL 001 080
COMMAND ==>                                           SCROLL ==> CSR
***** TOP OF DATA *****
LOAD DATA RESUME YES INTO TABLE DSSADU1.CODE_DECODE
(CATEGORY_ID POSITION (1) CHAR (4) ,
 CD_ID POSITION (5) CHAR (30) ,
 BEG_EFCTV_DT POSITION (35) DATE EXTERNAL (10) ,
 END_EFCTV_DT POSITION (45) DATE EXTERNAL (10) ,
 UPDT_TS POSITION (55) TIMESTAMP EXTERNAL (26) ,
 DECODE_VALU POSITION (81) CHAR (200) ,
 UPD_USRID POSITION (281) CHAR (8) )
***** BOTTOM OF DATA *****
```

Load the table

```
File-AID for DB2 ----- Load Options ----- SSID ===> DBT
OPTION ===>
Specify DB2 Table:
  Creator      ===> DSSADU1          (* for selection list)
  Table Name   ===> CODE_DECODE     (* for selection list)
Optional:
  Database     ===>
  Tablespace   ===>
Specify Load Option:
  Load Option  ===> 1                (1 = SQL Insert Statements,
                                     2 = IBM DB2 Batch Load Utility)
```

Enter;

```
File-AID for DB2 ----- Load Dataset Specifications ----- SSID: DBT
COMMAND ===>
Specify Input Datasets:
  Load Dataset ===> 'WELZ492.*.UNLOAD'
  Member       ===> (* for member list)
  Control Card Dataset ===> 'WELZ492.*.CTRL'
  Member       ===> (* for member list)
An asterisk (*) in the above Dataset names will be replaced with:
  Table Name   ===> CODEDECO
```

```
File-AID for DB2 ----- LOAD table - DSSADU1.CODE_DECODE ----- SSID: DBT
COMMAND ===>
Specify Processing Option:
  Processing Mode      ===> 1          (1 = Online, 2 = Batch)
Specify Load Processing Option (select one) :
  _ Add (Discard Duplicate Keys)
  _ Add (Replace Duplicate Keys)
  _ Delete ALL Existing Data and Add New Data
  _ Add New Data to Empty Table
Specify Optional Discard Processing:
  Save Discarded Rows   ===> NO        (Yes or No)
  Maximum Rows to Discard ===> 0        (* for no maximum)
  Dataset for Discarded Rows ===>
  Member                ===>          (* for member list)
```

Select one of the options by entering **S**.

```
File-AID for DB2 ----- LOAD table - DSSADU1.CODE_DECODE ----- SSID: DBT
COMMAND ===>
Specify Processing Option:
  Processing Mode      ===> 1          (1 = Online, 2 = Batch)
Specify Load Processing Option (select one) :
  s Add (Discard Duplicate Keys)
  s Add (Replace Duplicate Keys)
  _ Delete ALL Existing Data and Add New Data
  _ Add New Data to Empty Table
Specify Optional Discard Processing:
  Save Discarded Rows   ===> NO        (Yes or No)
  Maximum Rows to Discard ===> 0        (* for no maximum)
  Dataset for Discarded Rows ===>
  Member                ===>          (* for member list)
```

Press Enter; Displays the confirmation screen; Press one more enter to start the load process

Option 6: from the **Utility Selection Menu** to go to **Grant/Revoke Privileges**

Option 3.6 from **Primary Option Menu**,


```
File-AID for DB2 ----- REVOKE for table WELZ492.SA      Privileges Revoked
COMMAND ==>                                           SCROLL ==> PAGE
                                                    SSID: DBT
Use SQL to view/save the SQL source
Auth ID      ALL  SELECT  UPDATE  INSERT  DELETE  ALTER  INDEX  RI
-----
000001 WELZ492      G      G      G      G      G      G      G
000002 WELZ543      R
***** BOTTOM OF DATA *****
```

Similar to this, privileges can be modified by the option **PM** from the **Grant/Revoke Privileges** screen