**BTEQ Export:**

To get all table names in teradata

1. Write a BTEQ script to export EMP table rows in DATA mode to the flat file. Run the script file in batch mode. Observe the flat file and outfile.

.LOGON localtd/tduser,tduser

.EXPORT DATA FILE=’empdata.txt'

SELECT \* FROM emp;

.EXPORT RESET;

.LOGOFF;

1. Write a BTEQ script to export EMP table rows in REPORT mode to the flat file. Run the script file in batch mode. Limit number of rows exported to 10. Observe the flat file and outfile.

.LOGON localtd/tduser,tduser

.EXPORT REPORT FILE='emprep.txt', LIMIT=10

.SET WIDTH 200

.SET NULL ' '

SELECT \* FROM emp;

.EXPORT RESET;

.LOGOFF;

1. Write a BTEQ script to export EMP table rows in INDICDATA mode to the flat file. Run the script file in batch mode. Observe the flat file and outfile.

.LOGON tocaltd/tduser,tduser

.EXPORT INDICDATA FILE='empindic.txt'

SELECT \* FROM emp;

.EXPORT RESET;

.LOGOFF;

1. Write a BTEQ script to export EMP table rows to the flat file in CSV format. Run the script file in batch mode. Observe the flat file and outfile.

.LOGON localtd/tduser,tduser

.EXPORT REPORT FILE='empvartext.txt'

.SET WIDTH 200

.SET NULL ' '

SELECT TRIM(empno) ||','||

TRIM(ename) ||','||

TRIM(job) ||','||

TRIM(COALESCE(mgr,' ')) ||','||

TRIM(hiredate) ||','||

TRIM(sal) ||','||

TRIM(COALESCE(comm,' ')) ||','||

TRIM(deptno)

FROM emp;

.EXPORT RESET;

.LOGOFF;

1. Write a BTEQ script to export EMP table rows to EXCEL file. Run the script file in batch mode. Observe the EXCEL file and outfile.

.LOGON localtd/tduser,tduser

.EXPORT DIF FILE='empdif.xls'

SELECT \* FROM emp;

.EXPORT RESET;

.LOGOFF;

**BTEQ Import:**

1. Create a NEW\_EMP table with the same structure as EMP table with no data

CREATE TABLE new\_emp AS (SELECT \* FROM emp) WITH NO DATA;

1. Write BTEQ script to import data into NEW\_EMP table from the flat file containing rows in DATA format. Delete all rows from NEW\_EMP table. Run the script. Observe the data (NULL values?) in NEW\_EMP table.

.LOGON localtd/tduser,tduser

.IMPORT DATA FILE='empdata.txt';

.REPEAT \*

USING

empno(INTEGER),

ename(VARCHAR(10)),

job(VARCHAR(10)),

mgr(INTEGER),

hiredate(DATE),

sal(DECIMAL(9,2)),

comm(DECIMAL(7,2)),

deptno(INTEGER)

INSERT INTO new\_emp VALUES

(:empno,:ename,:job,:mgr,:hiredate,:sal,:comm,:deptno);

.LOGOFF

1. Write BTEQ script to import data into NEW\_EMP table from the flat file containing rows in REPORT format. The first 2 rows need to be skipped as they contain column headings. Replace blank values with NULL. Delete all rows from NEW\_EMP table. Run the script. Observe the outfile and data in NEW\_EMP table.

.LOGON localtd/tduser, tduser

.IMPORT REPORT FILE='emprep.txt', SKIP=2

/\* FILE NAME NEED TO BE IN SINGLE QUOTES \*/

.REPEAT \*

USING

DELIMETER0(CHAR(7)),

empno(CHAR(4)),DELIMETER1(CHAR(2)),

ename(CHAR(10)),DELIMETER2(CHAR(2)),

job(CHAR(17)),DELIMETER3(CHAR(1)),

mgr(CHAR(4)),DELIMETER4(CHAR(2)),

hiredate(CHAR(10)),DELIMETER5(CHAR(4)),

sal(CHAR(7)),DELIMETER6(CHAR(4)),

comm(CHAR(7)),DELIMETER7(CHAR(11)),

deptno(CHAR(2))

INSERT INTO new\_emp VALUES

(:empno,:ename,:job,:mgr,:hiredate,:sal,nullif(:comm,' '),:deptno);

.LOGOFF

1. Write BTEQ script to import data into NEW\_EMP table from the flat file containing rows in INDICDATA format. Delete all rows from NEW\_EMP table. Run the script. Observe the data (NULL values) in NEW\_EMP table.

.LOGON localtd/tduser,tduser

.IMPORT INDICDATA FILE='empindic.txt';

.REPEAT \*

USING

empno(INTEGER),

ename(VARCHAR(10)),

job(VARCHAR(10)),

mgr(INTEGER),

hiredate(DATE),

sal(DECIMAL(9,2)),

comm(DECIMAL(7,2)),

deptno(INTEGER)

INSERT INTO new\_emp VALUES

(:empno,:ename,:job,:mgr,:hiredate,:sal,:comm,:deptno);

.LOGOFF

1. Write BTEQ script to import data into NEW\_EMP table from the flat file containing rows in CSV format. Delete all rows from NEW\_EMP table. Run the script. Observe the data in NEW\_EMP table.

.LOGON localtd/tduser,tduser

.IMPORT VARTEXT ',' FILE='empvartext.txt', SKIP=2

/\* FILE NAME NEED TO BE IN SINGLE QUOTES \*/

.REPEAT \*

USING

empno(VARCHAR(4)),

ename(VARCHAR(10)),

job(VARCHAR(10)),

mgr(VARCHAR(4)),

hiredate(VARCHAR(10)),

sal(VARCHAR(7)),

comm(VARCHAR(7)),

deptno(VARCHAR(2))

INSERT INTO new\_emp VALUES

(:empno,:ename,:job,

NULLIF(:mgr,' '),

CAST(:hiredate AS DATE FORMAT 'YYYY-MM-DD'),

:sal,

NULLIF(:comm,' '),

:deptno);

.logoff

1. Write BTEQ script to import data into NEW\_EMP table from the EXCEL file. Delete all rows from NEW\_EMP table. Run the script. Observe the data in NEW\_EMP table.

Open the .xls file, save it as CSV (MS DOS) format.

Open the CSV text file and observe the date format and delimiter.

.LOGON localtd/tduser,tduser

.QUIET ON

.IMPORT VARTEXT ',' FILE='empcomma.txt'

.REPEAT \*

USING

empno(VARCHAR(4)),

ename(VARCHAR(10)),

job(VARCHAR(10)),

mgr(VARCHAR(4)),

hiredate(VARCHAR(10)),

sal(VARCHAR(7)),

comm(VARCHAR(7)),

deptno(VARCHAR(2))

INSERT INTO new\_emp VALUES

(:empno,:ename,:job,

NULLIF(:mgr,'#n/a'),

CAST(:hiredate AS DATE FORMAT 'YYYYMMDD'),

:sal,

NULLIF(:comm,'#n/a'),

:deptno);

.LOGOFF

1. Update NEW\_EMP table, set SAL=NULL for all rows. Write BTEQ script to update SAL of all employee rows in NEW\_EMP table from the flat file containing rows in DATA format. Run the script. Observe the data in NEW\_EMP table.

.LOGON localtd/tduser,tduser

.IMPORT DATA FILE=empdata.txt;

.REPEAT \*

USING

empno(INTEGER),

ename(VARCHAR(10)),

job(VARCHAR(10)),

mgr(INTEGER),

hiredate(DATE),

sal(DECIMAL(9,2)),

comm(DECIMAL(7,2)),

deptno(INTEGER)

UPDATE new\_emp SET sal = :sal WHERE empno = :empno;

.LOGOFF