**Lab3**

**SQL\*Loader**

**Nanditha S Murthy**

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> cat lab3

Script started on Mon Mar 18 00:33:43 2013

**> sqlplus st219/cs514@cfedb.sdsu.edu**

SQL\*Plus: Release 10.2.0.1.0 - Production on Mon Mar 18 00:33:59 2013

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With the Partitioning, OLAP and Data Mining options

SQL> start tablecreation

SQL>

SQL> **--creating empbb02 table**

SQL> CREATE TABLE empbb02 (empno varchar2(5), ename varchar2(10), pos varchar2(12), boss varchar2(4), hiredate date, sal number(6), deptno number(2), incentives number(6));

Table created.

CREATE TABLE Employee (eid number(6), ename varchar2(10), email varchar2(20), sal number(6), address varchar2(25), gender varchar2(7), );

INSERT INTO EMPLOYEE VALUES(1,'Nanditha','nanditha.murthy@gmail.com',1000000,'5474 Reservoir Dr', ‘Female’);

SQL>

SQL> **--creating deptbb02 table**

SQL> CREATE TABLE deptbb02 (deptno number(3), dname varchar2(8), restaurant varchar2(15), location varchar2(15), motto varchar2(30));

Table created.

SQL>

SQL> **--creating infobb02 table**

SQL> CREATE TABLE infobb02 (empno varchar2(5),fname varchar2(10), nick varchar2(15),uni varchar2(4),average number(4),era number(6,3));

Table created.

SQL>

**SQL> --creating salsbb02 table**

SQL> CREATE TABLE salsbb02 (grade number(2), role varchar2(8), losal number(6), hisal number(6));

Table created.

SQL> quit

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With the Partitioning, OLAP and Data Mining options

> **vi empbb02.sql**

"empbb02.sql" 6 lines, 204 characters

set echo on

set pages 100

spool empbb02.csv

SELECT empno || ',' || ename || ',' || pos || ',' || boss || ',' || hiredate ||

',' || sal || ',' || deptno || ',' || nvl(incentives,0) FROM empbb02;

spool off

~

"empbb02.sql" 6 lines, 204 characters

**> vi infobb02.sql**

"infobb02.sql" 5 lines, 165 characters

set echo on

set pages 80

spool infobb02.csv

SELECT empno || ',' || fname || ',' || nick || ',' || uni || ',' || average || ',' ||nvl(era,0) FROM infobb02;

spool off

~ "infobb02.sql" 5 lines, 165 characters

**> vi deptbb02.sql**

"deptbb02.sql" 5 lines, 155 characters

set echo on

set pages 50

spool deptbb02.csv

SELECT deptno || ',' || dname || ',' || restaurant || ',' || location || ',' || motto FROM deptbb02;

spool off

~

"deptbb02.sql" 5 lines, 155 characters

**> vi salsbb02.sql**

"salsbb02.sql" 5 lines, 129 characters

set echo on

set pages 50

spool salsbb02.csv

SELECT grade || ',' || role || ',' || losal || ',' || hisal FROM salsbb02;

spool off

~

"salsbb02.sql" 5 lines, 129 characters

**> sqlplus st19/cs514@cfedb.sdsu.edu**

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With the Partitioning, OLAP and Data Mining options

SQL> **start empbb02**

SQL> set pages 100

SQL> spool empbb02.csv

SQL> SELECT empno || ',' || ename || ',' || pos || ',' || boss || ',' || hiredate ||

2 ',' || sal || ',' || deptno || ',' || nvl(incentives,0) FROM empbb02;

EMPNO||','||ENAME||','||POS||','||BOSS||','||HIREDATE||','||SAL||','||DEPTNO||',

--------------------------------------------------------------------------------

712,rickey,gm,,01-JAN-98,10000,40,0

735,lasorda,coach,712,10-JAN-98,2000,40,0

707,bochy,coach,712,11-JAN-98,2000,40,0

798,berra,coach,712,12-JAN-98,2000,40,0

782,musial,right field,707,01-FEB-98,42000,20,0

763,gehrig,first base,735,11-MAR-98,85000,10,0

777,minoso,shortstop,735,05-MAY-98,85000,10,6000

721,sandberg,second base,735,28-FEB-98,25000,10,0

788,cey,third base,735,10-JAN-99,15000,10,8000

720,williams,left field,707,05-JAN-99,150000,20,0

755,johnson,pitcher,798,08-NOV-98,50000,30,0

744,brown,pitcher,798,18-OCT-99,40000,30,4000

730,mays,center field,707,01-JAN-98,240000,20,0

799,mungo,pitcher,798,10-MAR-00,20000,30,12000

766,rodriguez,catcher,735,16-OCT-01,100000,50,0

15 rows selected.

SQL> spool off

SQL> **start infobb02**

SQL> set echo on

SQL> set pages 80

SQL> spool infobb02.csv

SQL> SELECT empno || ',' || fname || ',' || nick || ',' || uni || ',' || average || ',' ||nvl(era,0) FROM infobb02;

EMPNO||','||FNAME||','||NICK||','||UNI||','||AVERAGE||','||NVL(ERA,0)

----------------------------------------------------------------------

712,branch,,56,,0

735,tommy,,62,,0

707,bruce,,64,220,0

777,orestes,minnie,27,270,32

763,lou,iron horse,14,350,0

782,stan,the man,19,342,0

798,larry,yogi,66,290,0

788,ron,penguin,35,287,0

730,willie,say hey kid,12,325,0

755,randy,the big unit,8,123,2.15

744,mordecai,3 fingers,25,168,3.27

721,ryne,rhino,17,294,0

799,van lingle,,31,230,2.82

720,ted,teddy ballgame,10,350,0

766,ivan,pudge,4,339,0

15 rows selected.

SQL> spool off

SQL> **start deptbb02**

SQL> set echo on

SQL> set pages 50

SQL> spool deptbb02.csv

SQL> SELECT deptno || ',' || dname || ',' || restaurant || ',' || location || ',' || motto FROM deptbb02;

DEPTNO||','||DNAME||','||RESTAURANT||','||LOCATION||','||MOTTO

----------------------------------------------------------------------

10,infield,Jade,Clairmont,Let's play two!

20,outfield,House of Pasta,Santee,Alea iacta est

30,pitcher,Crab Shack,Pacific Beach,Semper paratus

40,staff,Burger King,Lakeside,Experientia docet

50,catchers,Pinnacle Peak,Santee,Non bastardi carborundum

SQL> spool off

SQL> **start salsbb02**

SQL> set echo on

SQL> set pages 50

SQL> spool salsbb02.csv

SQL> SELECT grade || ',' || role || ',' || losal || ',' || hisal FROM salsbb02;

GRADE||','||ROLE||','||LOSAL||','||HISAL

----------------------------------------------------------------------

1,staff,1000,5000

2,staff,5001,10000

1,hitter,5000,15000

2,hitter,15001,50000

3,hitter,50001,250000

1,pitcher,5000,25000

2,picher,25001,125000

7 rows selected.

SQL> spool off

SQL> quit

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With the Partitioning, OLAP and Data Mining options

> **vi loadempbb02.ctl**

"loadempbb02.ctl" 5 lines, 175 characters

LOAD DATA

INFILE empbb02.csv

REPLACE INTO TABLE empbb02

FIELDS TERMINATED BY ','

(empno,ename,pos,boss,hiredate,sal,deptno,incentives"decode(:incentives,0,null,:incentives)")

~ "loadempbb02.ctl" 5 lines, 175 characters

> **vi loadinfobb02.ctl**

"loadinfobb02.ctl" 5 lines, 144 characters

LOAD DATA

INFILE infobb02.csv

REPLACE INTO TABLE infobb02

FIELDS TERMINATED BY ','

(empno,fname,nick,uni,average,era"decode(:era,0,null,:era)")

~

"loadinfobb02.ctl" 5 lines, 144 characters

> **vi loaddeptbb02.ctl**

"loaddeptbb02.ctl" 5 lines, 124 characters

LOAD DATA

INFILE deptbb02.csv

REPLACE INTO TABLE deptbb02

FIELDS TERMINATED BY ','

(deptno,dname,restaurant,location,motto)

~ "loaddeptbb02.ctl" 5 lines, 124 characters

> **vi loadsalsbb02.ctl**

"loadsalsbb02.ctl" 5 lines, 108 characters

LOAD DATA

INFILE salsbb02.csv

REPLACE INTO TABLE salsbb02

FIELDS TERMINATED BY ','

(grade,role,losal,hisal)

~

"loadsalsbb02.ctl" 5 lines, 108 characters

> **vi loadtables**

"loadtables" 6 lines, 237 characters

sqlldr st219/CS514@cfedb.sdsu.edu control=loadinfobb02.ctl

sqlldr st219/CS514@cfedb.sdsu.edu control=loaddeptbb02.ctl

sqlldr st219/CS514@cfedb.sdsu.edu control=loadsalsbb02.ctl

sqlldr st219/CS514@cfedb.sdsu.edu control=loadempbb02.ctl

~

"loadtables" 6 lines, 237 characters

> **chmod u+x loadtables**

> **./loadtables**

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Commit point reached - logical record count 23

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Commit point reached - logical record count 11

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Commit point reached - logical record count 15

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Commit point reached - logical record count 24

> **sqlplus st219/cs514@cfedb.sdsu.edu**

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With the Partitioning, OLAP and Data Mining options

SQL> **select \* from empbb02;**

EMPNO ENAME POS BOSS HIREDATE SAL DEPTNO INCENTIVES

----- ---------- ------------ ---- --------- ---------- ---------- ----------

712 rickey gm 01-JAN-98 10000 40

735 lasorda coach 712 10-JAN-98 2000 40

707 bochy coach 712 11-JAN-98 2000 40

798 berra coach 712 12-JAN-98 2000 40

782 musial right field 707 01-FEB-98 42000 20

763 gehrig first base 735 11-MAR-98 85000 10

777 minoso shortstop 735 05-MAY-98 85000 10 6000

721 sandberg second base 735 28-FEB-98 25000 10

788 cey third base 735 10-JAN-99 15000 10 8000

720 williams left field 707 05-JAN-99 150000 20

755 johnson pitcher 798 08-NOV-98 50000 30

EMPNO ENAME POS BOSS HIREDATE SAL DEPTNO INCENTIVES

----- ---------- ------------ ---- --------- ---------- ---------- ----------

744 brown pitcher 798 18-OCT-99 40000 30 4000

730 mays center field 707 01-JAN-98 240000 20

799 mungo pitcher 798 10-MAR-00 20000 30 12000

766 rodriguez catcher 735 16-OCT-01 100000 50

15 rows selected.

SQL> set pages 50

SQL> **select \* from deptbb02;**

DEPTNO DNAME RESTAURANT LOCATION

---------- -------- --------------- ---------------

MOTTO

------------------------------

10 infield Jade Clairmont

Let's play two!

20 outfield House of Pasta Santee

Alea iacta est

30 pitcher Crab Shack Pacific Beach

Semper paratus

40 staff Burger King Lakeside

Experientia docet

50 catchers Pinnacle Peak Santee

Non bastardi carborundum

SQL> **select \* from infobb02;**

EMPNO FNAME NICK UNI AVERAGE ERA

----- ---------- --------------- ---- ---------- ----------

712 branch 56

735 tommy 62

707 bruce 64 220

777 orestes minnie 27 270 32

763 lou iron horse 14 350

782 stan the man 19 342

798 larry yogi 66 290

788 ron penguin 35 287

730 willie say hey kid 12 325

755 randy the big unit 8 123 2.15

744 mordecai 3 fingers 25 168 3.27

721 ryne rhino 17 294

799 van lingle 31 230 2.82

720 ted teddy ballgame 10 350

766 ivan pudge 4 339

15 rows selected.

SQL> **select \* from salsbb02;**

GRADE ROLE LOSAL HISAL

---------- -------- ---------- ----------

1 staff 1000 5000

2 staff 5001 10000

1 hitter 5000 15000

2 hitter 15001 50000

3 hitter 50001 250000

1 pitcher 5000 25000

2 picher 25001 125000

7 rows selected.

SQL> quit

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With the Partitioning, OLAP and Data Mining options

> exit

exit

script done on Mon Mar 18 00:43:56 2013

>