

```
[cssc0030@edoras ~]$ clear
```

```
[cssc0030@edoras ~]$ sqlplus st30/cs514@cs514
```

SQL\*Plus: Release 11.2.0.4.0 Production on Thu Jul 20 14:48:07 2017

Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining

and Real Application Testing options

```
SQL> spool hw2output.csv
```

```
SQL> ALTER TABLE empbb02 ADD CONSTRAINT empbb02_empno_pk PRIMARY  
KEY(empno);
```

Table altered.

```
SQL> ALTER TABLE infobb02 ADD CONSTRAINT infobb02_empno_pk PRIMARY  
KEY(empno);
```

Table altered.

```
SQL> ALTER TABLE deptbb02 ADD CONSTRAINT deptbb02_deptno_pk PRIMARY  
KEY(deptno);
```

Table altered.

```
SQL> SELECT ename as "Last Name", to_char(hiredate, 'yyyy-mm-dd') as "Intl Date"  
from empbb02;
```

Last Name	Intl Date
-----------	-----------

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

rickey	1998-01-01
lasorda	1998-01-10
bochy	1998-01-11
berra	1998-01-12
musial	1998-02-01
gehrig	1998-03-11
minos	1998-05-05
sandberg	1998-02-28
cey	1999-01-10

williams 1999-01-05  
johnson 1998-11-08

Last Name Intl Date

-----  
brown 1999-10-18  
mays 1998-01-01  
mungo 2000-03-10  
rodriguez 2001-10-16

15 rows selected.

```
SQL> ALTER TABLE salsbb02 ADD CONSTRAINT salsbb02_grade_role_pk PRIMARY  
KEY(grade, role);
```

Table altered.

```
SQL> ALTER TABLE infobb02 ADD CONSTRAINT infobb02_uni_uk UNIQUE(uni);
```

Table altered.

```
SQL> column motto format a10;
```

```
SQL> ALTER TABLE infobb02 ADD CONSTRAINT infobb02_empno_fk FOREIGN  
KEY(empno) REFERENCES empbb02(empno);
```

Table altered.

```
SQL> ALTER TABLE empbb02 ADD CONSTRAINT empbb02_deptno_fk FOREIGN  
KEY(deptno) REFERENCES deptbb02(deptno);
```

Table altered.

```
SQL> ALTER TABLE empbb02 ADD CHECK(ename NOT LIKE('Q%'));
```

Table altered.

```
SQL> ALTER TABLE empbb02 MODIFY ename VARCHAR2(16);
```

Table altered.

```
SQL> insert into empbb02(empno, ename) values ('200', 'Quisenberry');  
insert into empbb02(empno, ename) values ('200', 'Quisenberry')
```

\*

ERROR at line 1:

ORA-02290: check constraint (ST30.SYS\_C0018736) violated

SQL> drop table empbb02;

drop table empbb02

\*

ERROR at line 1:

ORA-02449: unique/primary keys in table referenced by foreign keys

SQL> INSERT INTO empbb02(empno, ename, pos, hiredate, deptno) VALUES('100', 'Paige', 'pitcher', '09-JULY-1948', 10);

1 row created.

SQL> INSERT INTO infobb02(empno, fname, nick, uni, era) VALUES('100', 'Leroy', 'Satchel', '29', 3.29);

1 row created.

SQL> ALTER TABLE infobb02 ADD hofdate DATE;

Table altered.

SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1967' WHERE fname = 'branch';

1 row updated.

SQL> UPDATE infobb02 set hofdate = '01-JANUARY-1997' where fname = 'tommy';

1 row updated.

SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1972' WHERE fname = 'larry';

1 row updated.

SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-2014' WHERE fname = 'stan';

1 row updated.

SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1939' WHERE fname = 'lou';

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1994' WHERE fname = 'orestes';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-2005' WHERE fname = 'ryne';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '02-JANUARY-2017' WHERE fname = 'ron';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1987' WHERE fname = 'ted';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-2015' WHERE fname = 'randy';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1949' WHERE fname = 'mordecai';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1979' WHERE fname = 'willie';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-1974' WHERE fname = 'van lingle';
```

1 row updated.

```
SQL> UPDATE infobb02 SET hofdate = '01-JANUARY-2017' where fname = 'ivan';
```

1 row updated.

```
SQL> set pages 100
```

```
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	minosos 6000	shortstop	735	05-MAY-98	85000	10
721	sandberg	second base	735	28-FEB-98	25000	10
788	cey 8000	third base	735	10-JAN-99	15000	10
720	williams	left field	707	05-JAN-99	150000	20
755	johnson	pitcher	798	08-NOV-98	50000	30
744	brown 4000	pitcher	798	18-OCT-99	40000	30
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
100	Paige	pitcher		09-JUL-48		10

16 rows selected.

SQL> select \* from infobb02;

EMPNO	FNAME	NICK	UNI	AVERAGE	ERA	HOFDATE
712	branch	56				01-JAN-67
735	tommy	62				01-JAN-97
707	bruce	64	220			
777	orestes	minnie	27	270	32	01-JAN-94
763	lou	iron horse	14	350		01-JAN-39
782	stan	the man	19	342		01-JAN-14
798	larry	yogi	66	290		01-JAN-72
788	ron	penguin	35	287		02-JAN-17
730	willie	say hey kid	24	325		01-JAN-79
755	randy	the big unit	8	123	2.15	01-JAN-15
744	mordecai	3 fingers	25	168	3.27	01-JAN-49
721	ryne	rhino	17	294		01-JAN-05
799	van lingle		31	220	2.82	01-JAN-74
720	ted	teddy ballgame	10	350		01-JAN-87
766	ivan	pudge	4	339		01-JAN-17
100	Leroy	Satchel	29		3.29	

16 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 pitcher	25001	125000

7 rows selected.

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 par	
		atus		
40 staff	Burger King	Lakeside	Experienti	
		a docet		
50 catchers	Pinnacle Peak	Santee	Non bastar	
		di carboru		
		ndum		

SQL> spool off

SQL> exit

Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64  
bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining  
and Real Application Testing options

[cssc0030@edoras ~]\$ ls

Maildir hw1.sql hw1output.csv hw2output.csv sqlnet.log

[cssc0030@edoras ~]\$