

**CS - 514 DATABASE THEORY & IMPLEMENTATION**

**HOMEWORK - 1**

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**CREATE TABLE & INSERT STATEMENTS:**     *homework\_1.sql*

**TABLE 1 : empbb02**

```
CREATE TABLE empbb02(EMPNO VARCHAR2(5), ENAME VARCHAR2(10) NOT NULL, POS VARCHAR2(12),
BOSS VARCHAR2(4), HIREDATE DATE, SAL NUMBER(6), DEPTNO NUMBER(2), INCENTIVES
NUMBER(6));
```

```
INSERT INTO empbb02 VALUES('712','rickey','gm',null,'01-JAN-1998',10000,40,null);
INSERT INTO empbb02 VALUES('735','lasorda','coach','712','10-JAN-1998',2000,40,null);
INSERT INTO empbb02 VALUES('707','bochy','coach','712','11-JAN-1998',2000,40,null);
INSERT INTO empbb02 VALUES('798','berra','coach','712','12-JAN-1998',2000,40,null);
INSERT INTO empbb02 VALUES('782','musial','right field','707','01-FEB-1998',
42000,20,null);
INSERT INTO empbb02 VALUES('763','gehrig','first base','735','11-MAR-1998',
85000,10,null);
INSERT INTO empbb02 VALUES('777','minos','shortstop','735','05-MAY-1998',
85000,10,6000);
INSERT INTO empbb02 VALUES('721','sandberg','second base','735','28-FEB-1998',
25000,10,null);
INSERT INTO empbb02 VALUES('788','cey','third base','735','10-JAN-1999',
15000,10,8000);
INSERT INTO empbb02 VALUES('720','williams','left field','707','05-JAN-1999',
150000,20,null);
INSERT INTO empbb02 VALUES('755','johnson','pitcher','798','08-NOV-1998',
50000,30,null);
INSERT INTO empbb02 VALUES('744','brown','pitcher','798','18-OCT-1999',40000,30,4000);
INSERT INTO empbb02 VALUES('730','mays','center field','707','01-JAN-1996',
240000,20,null);
INSERT INTO empbb02 VALUES('799','mungo','pitcher','798','10-MAR-2000',
20000,30,12000);
INSERT INTO empbb02 VALUES('766','rodriguez','catcher','735','16-OCT-2001',
100000,50,null);
INSERT INTO empbb02 VALUES('712','rickey','gm',null,'01-JAN-1998',10000,40,null);
```

**TABLE 2 : infobb02**

```
CREATE TABLE infobb02(EMPNO VARCHAR2(5),FNAME VARCHAR2(10),NICK VARCHAR2(15),UNI
VARCHAR2(4),AVERAGE NUMBER(4),ERA NUMBER(6,3));
```

```
INSERT INTO infobb02 VALUES('712','branch',null,'56',null,null);
INSERT INTO infobb02 VALUES('735','tommy',null,'62',null,null);
INSERT INTO infobb02 VALUES('707','bruce',null,'64',220,null);
INSERT INTO infobb02 VALUES('777','orestes','minnie','27',270,32);
INSERT INTO infobb02 VALUES('763','lou','iron horse','14',350,null);
INSERT INTO infobb02 VALUES('782','stan','the man','19',342,null);
INSERT INTO infobb02 VALUES('798','larry','yogi','66',290,null);
INSERT INTO infobb02 VALUES('788','ron','penguin','35',287,null);
INSERT INTO infobb02 VALUES('730','willie','say hey kid','12',335,null);
INSERT INTO infobb02 VALUES('755','randy','the big unit','8',123,2.15);
```

```

INSERT INTO infobb02 VALUES('744','mordecai','3 fingers','25',168,3.27);
INSERT INTO infobb02 VALUES('721','ryne','rhino','17',294,null);
INSERT INTO infobb02 VALUES('799','van lingle',null,'31',230,2.82);
INSERT INTO infobb02 VALUES('720','ted','teddy ballgame','10',350,null);
INSERT INTO infobb02 VALUES('766','ivan','pudge','4',339,null);

```

### **TABLE 3: deptbb02**

```

CREATE TABLE deptbb02(DEPTNO NUMBER(3),DNAME VARCHAR2(8),RESTAURANT
VARCHAR2(15),LOCATION VARCHAR2(15),MOTTO VARCHAR2(30));

INSERT INTO deptbb02 VALUES(10,'infield','Jade','Clairmont','Let's play two!');
INSERT INTO deptbb02 VALUES(20,'outfield','House of Pasta','Santee','Alea iacta est');
INSERT INTO deptbb02 VALUES(30,'pitcher','Crab Shack','Pacific Beach','Semper
paratus');
INSERT INTO deptbb02 VALUES(40,'staff','Burger King','Lakeside','Experientia docet');
INSERT INTO deptbb02 VALUES(50,'catchers','Pinnacle Peak','Santee','Non bastardi
carborundum');

```

### **TABLE 4: salsbb02**

```

CREATE TABLE salsbb02(GRADE NUMBER(2),ROLE VARCHAR2(8),LOSAL NUMBER(6),HISAL
NUMBER(6));

INSERT INTO salsbb02 VALUES(1,'staff',1000,5000);
INSERT INTO salsbb02 VALUES(2,'staff',5001,10000);
INSERT INTO salsbb02 VALUES(1,'hitter',5000,15000);
INSERT INTO salsbb02 VALUES(2,'hitter',15001,50000);
INSERT INTO salsbb02 VALUES(3,'hitter',50001,250000);
INSERT INTO salsbb02 VALUES(1,'pitcher',5000,25000);
INSERT INTO salsbb02 VALUES(2,'pitcher',25001,125000);

```

**DESC & SELECT STATEMENTS : fred.lst**

```
> vi fred.lst
"fred.lst" 178 lines, 8080 characters
SP2-0158: unknown SET option "--"
SQL> set pause on
SQL> set pages 30
SQL> -- this is a comment
SQL> desc empbb02
```

Name	Null?	Type
EMPNO		VARCHAR2(5)
ENAME	NOT NULL	VARCHAR2(10)
POS		VARCHAR2(12)
BOSS		VARCHAR2(4)
HIREDATE		DATE
SAL		NUMBER(6)
DEPTNO		NUMBER(2)
INCENTIVES		NUMBER(6)

```
SQL> select * from empbb02;
```

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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	minos	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	
744	brown	pitcher	798	18-OCT-99	40000	30	4000
730	mays	center field	707	01-JAN-96	240000	20	
799	mungo	pitcher	798	10-MAR-00	20000	30	12000
766	rodriguez	catcher	735	16-OCT-01	100000	50	

Report Done

15 rows selected.

SQL> desc infobb02

Name	Null?	Type
EMPNO		VARCHAR2(5)
FNAME		VARCHAR2(10)
NICK		VARCHAR2(15)
UNI		VARCHAR2(4)
AVERAGE		NUMBER(4)
ERA		NUMBER(6,3)

SQL> select \* from infobb02;

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First example  
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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	335	
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	

Report Done

15 rows selected.

SQL> desc deptbb02

Name	Null?	Type
DEPTNO		NUMBER(3)
DNAME		VARCHAR2(8)
RESTAURANT		VARCHAR2(15)
LOCATION		VARCHAR2(15)
MOTTO		VARCHAR2(30)

SQL> select \* from deptbb02;

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First example  
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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

Report Done

SQL> desc salsbb02

Name	Null?	Type
GRADE		NUMBER(2)
ROLE		VARCHAR2(8)
LOSAL		NUMBER(6)
HISAL		NUMBER(6)

SQL> select \* from salsbb02;

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First example  
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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

Report Done

7 rows selected.

SQL> set echo off