

Sarah Muhammad

Assignment: 2

Question: 1

```
SQL> select avg(salary) from instructor ;

AVG(SALARY)
-----
      33300

SQL>
```

QUESTION: 2

```
SQL> select count(*) from student group by DEP_NAME;

COUNT(*)
-----
      1
      1
      4
      2
      1
      1

6 rows selected.

SQL>
```

Question: 3

```
SQL> select dep_name from student group by dep_name having avg(ID)>5;
```

DEP_NAME
biology
medical
bba
physics

Question: 4

```
SQL> select count(*) from course;
```

COUNT(*)
10

```
SQL>
```

Question: 5

```
SQL> select dep_name, avg(salary) from instructor group by dep_name having avg(salary)>42000;
```

DEP_NAME	AVG(SALARY)
ee	46666.6667

```
SQL>
```

Question: 7

```
SQL> select name from instructor where salary>any(40000,50000,85690);
```

```
NAME
```

```
-----
```

```
umer usman
```

```
hafeez
```

```
fazl e basit
```

```
kamel
```

```
SQL>
```

Question: 8

```
SQL> select * from instructor;
```

ID	NAME	DEP_NAME	SALARY
1	tehseen	cs	30000
2	kaleem	cs	30000
3	amin	cs	3000
4	shakir	cs	20000
5	umer usman	cs	60000
6	hafeez	ee	50000
7	noman	ee	40000
8	qazi	bba	5000
9	fazl e basit	cs	45000
10	kamel	ee	50000

```
10 rows selected.
```

```
SQL> select max(salary) from instructor group by dep_name having dep_name='cs';
```

```
MAX(SALARY)
```

```
-----
```

```
60000
```

```
SQL>
```

Question: 9

COURSE_ID	TITLE	DEP_NAME	CREDIT
20	english	cs	3
21	english	ee	3
22	database	cs	4
23	cp	cs	4
24	oad	cs	4
25	pakstudy	ee	3
26	management	cs	3
27	accounts	bba	3
29	botany	biology	3
30	physics	ee	3

10 rows selected.

```
SQL> select title from course where credit=3;

TITLE
-----
english
english
pakstudy
management
accounts
botany
physics

7 rows selected.
```

Question: 10

```
SQL> update advisor set i_id=1001 where i_id>10 AND i_id< 20;
```

```
13 rows updated.
```

```
SQL> select * from advisor;
```

S_ID	I_ID
1	2
3	4
5	6
7	8
9	10
11	1001
13	1001
15	1001
17	1001
19	20
1	1001

Question: 11

```
SQL> update instructor set dep_name='ee' where dep_name='cs';
```

```
6 rows updated.
```

```
SQL> select * from instructor;
```

ID	NAME	DEP_NAME	SALARY
1	tehseen	ee	30000
2	kaleem	ee	30000
3	amin	ee	3000
4	shakir	ee	20000
5	umer usman	ee	60000
6	hafeez	ee	50000
7	noman	ee	40000
8	qazi	bba	5000
9	fazl e basit	ee	45000
10	kamel	ee	50000

```
10 rows selected.
```

Question: 12

```
SQL> update instructor set salary=salary+salary*5/100;
```

```
10 rows updated.
```

```
SQL> select * from instructor;
```

ID	NAME	DEP_NAME	SALARY
1	tehseen	ee	31500
2	kaleem	ee	31500
3	amin	ee	3150
4	shakir	ee	21000
5	umer usman	ee	63000
6	hafeez	ee	52500
7	noman	ee	42000
8	qazi	bba	5250
9	fazl e basit	ee	47250
10	kamel	ee	52500

```
10 rows selected.
```

Question: 13

```
SQL> delete from student where dep_name='cs';
```

```
4 rows deleted.
```

```
SQL> select * from student;
```

ID	NAME	DEP_NAME	TOTAL_CREDIT
4	hareem	bba	22
5	faraw	ee	30
6	fatima	biology	45
7	affan	physics	50
8	maimoona	medical	66
9	saadi	bba	70

```
6 rows selected.
```

Question: 14

```
SQL> delete from prereq where course_id=22;
```

```
1 row deleted.
```

```
SQL> select * from prereq;
```

COURSE_ID	PERREQ_ID
21	31
23	33
24	34
25	35
26	36
27	37
28	38
29	39
29	40

```
9 rows selected.
```

Question:15

```
SQL> alter table student modify(dep_name varchar(30));

Table altered.

SQL> select * from student;
```

ID	NAME	DEP_NAME	TOTAL_CREDIT
4	hareem	bba	22
5	faraw	ee	30
6	fatima	biology	45
7	affan	physics	50
8	maimoonah	medical	66
9	saadi	bba	70

```
6 rows selected.

SQL> decs student;
SP2-0734: unknown command beginning "decs stude..." - rest of line ignored.
SQL> decs student;
SP2-0734: unknown command beginning "decs stude..." - rest of line ignored.
SQL> desc student;
```

Name	Null?	Type
ID		NUMBER(10)
NAME		VARCHAR2(20)
DEP_NAME		VARCHAR2(30)
TOTAL_CREDIT		NUMBER(20)

Question: 16

```
SQL> alter table SStudent drop column Date_of_birth;

Table altered.

SQL> desc SStudent;
```

Name	Null?	Type
ID		NUMBER(10)
NAME		VARCHAR2(10)
DEPT_NAME		VARCHAR2(20)
TOTAL_CRED		NUMBER(10)

```
SQL>
```

Activate W

Question: 17

```
SQL> select max(salary) from instructor group by dep_name;
```

MAX(SALARY)
5250
63000

Question: 18

```
SQL> select avg(salary) from instructor group by dep_name having avg(salary)>42000;
```

no rows selected

Question: 19

```
SQL> select max(budget),dept_name from departement group by dept_name;
```

MAX(BUDGET)	DEPT_NAME
89877	medical
8007	english
50000	cs
80000	bba
80000	ee
60000	law
50000	arts

7 rows selected.

Question: 20

```
SQL> select max(salary),min(salary),avg(salary),sum(salary) from instructor where dep_name='ee';
```

MAX(SALARY)	MIN(SALARY)	AVG(SALARY)	SUM(SALARY)
63000	3150	38266.6667	344400

```
SQL> _
```