

Experiment no. 7

```
SQL> create table instructor(id int, name char(20), branch char(20), salary int, primary key(id));
```

Table created.

```
SQL> insert into instructor values (1, 'prathamesh', 'cse', 70000);
```

1 row created.

```
SQL> insert into instructor values (2, 'sumit', 'cse', 40000);
```

1 row created.

```
SQL> insert into instructor values (3, 'aditya', 'cse', 50000);
```

1 row created.

```
SQL> insert into instructor values (4, 'ajinkya', 'civil', 60000);
```

1 row created.

```
SQL> insert into instructor values (5, 'nikhil', 'entc', 60000);
```

1 row created.

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

ID	NAME	BRANCH	SALARY
1	prathamesh	cse	70000
5	nikhil	entc	60000
4	ajinkya	civil	60000
3	aditya	cse	50000
2	sumit	cse	40000

```
SQL> create table student(rollno int, name char(20), branch char(30), marks int, primary key (rollno));
```

Table created.

```
SQL> insert into student values (22, 'nikhil', 'cse', 70);
```

1 row created.

```
SQL> insert into student values (23, 'ajinkya', 'cse', 80);
```

1 row created.

```
SQL> insert into student values (73, 'aditya', 'cse', 85);
```

1 row created.

```
SQL> insert into student values (29, 'sumit', 'cse', 85);
```

1 row created.

```
SQL> insert into student values (34, 'prathamesh', 'cse', 65);
```

1 row created.

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

ROLLNO	NAME	BRANCH	MARKS
29	sumit	cse	85
73	aditya	cse	85
23	ajinkya	cse	80
22	nikhil	cse	70
34	prathamesh	cse	65

```
SQL> select * from instructor order by salary desc
```

ID	NAME	BRANCH	SALARY
1	prathamesh	cse	70000
5	nikhil	entc	60000
4	ajinkya	civil	60000
3	aditya	cse	50000
2	sumit	cse	40000

```
SQL> select id, name from instructor order by name asc;
```

ID	NAME
3	aditya
4	ajinkya
5	nikhil
1	prathamesh
2	sumit

```
SQL> select branch, avg (salary) from instructor group by branch;
```

[illegible]

```
SQL> select branch, avg (salary) from instructor group by branch having avg (salary)>40000;
```

[illegible]

```
SQL> select branch, avg (marks) from student group by branch;
```

BRANCH AVG(MARKS)
cse 77

```
SQL> select branch, avg(marks) from student group by branch having avg (marks)>60;
```

```
BRANCH AVG(MARKS)
```

```
cse      77
```

```
SQL> select branch, count(rollno) from student group by branch having count (rollno)>10;
```

```
ID      NAME
```

```
1 prathamesh
```

```
5 nikhil
```

```
4 ajinkya
```

```
3 aditya
```

```
2 sumit
```

```
SQL> select id, name from instructor where salary between 40000 and 70000;
```

```
ROLLNO  NAME      BRANCH
```

```
23      ajinkya   cse
```

```
22      nikhil   cse
```

```
34      prathamesh cse
```

```
SQL> select rollno, name, branch from student where marks between 30 and 80;
```

```
ROLLNO  NAME      BRANCH
```

```
23      ajinkya   cse
```

```
22      nikhil   cse
```

```
34      prathamesh cse
```