Experiment no. 8

```
SQL> create table instructor(id int, name char(20), dept_name char(20), salary int);
Table created.
SQL> insert into instructor values(1, 'Omkar', 'cse', 20000);
1 row created.
SQL> insert into instructor values(2, 'Nikhil', 'cse', 21000);
1 row created.
SQL> insert into instructor values(3, 'Prathamesh', 'entc', 22000);
1 row created.
SQL> insert into instructor values(4, 'Ajinkya', 'cse', 12000);
1 row created.
SQL> insert into instructor values(5, 'Aditya', 'entc', 42000);
1 row created.
SQL> insert into instructor values(6, 'Sumit', 'cse', 22000);
1 row created.
SQL> select* from instructor;

    ID NAME            DEPT_NAME       SALARY
---------------------------------------------
     1 Omkar           cse             20000
     2 Nikhil          cse             21000
     3 Prathamesh      entc            22000
     4 Ajinkya         cse             12000
     5 Aditya          entc            42000
     6 Sumit           cse             22000
```

```
SQL> select avg(salary)"salary avg" from instructor;
salary avg
----------
23166.6667

SQL> select min(salary)"salary min" from instructor;

salary min
----------
     12000

SQL> select max(salary)"salary max" from instructor;

salary max
----------
     42000

SQL> select sum(salary)"salary sum" from instructor;

salary sum
----------
    139000
```

```
SQL> select count(salary)"salary count" from instructor;

salary count
--------
       6

SQL> select sqrt(salary)"salary sqrt" from instructor;

salary sqrt
--------
 141.421356
 144.913767
  148.32397
 109.544512
 204.939015
  148.32397

6 rows selected.

SQL> select power(salary,2)"salary power" from instructor;

salary power
--------
  400000000
  441000000
  484000000
  144000000
 1764000000
  484000000

6 rows selected.
```

```
SQL> select abs(salary)"abs salary" from instructor;

abs salary
- - - - -
    20000
    21000
    22000
    12000
    42000
    22000

6 rows selected.

SQL> select id, name from instructor where dept_name='cse' union select id, name from instructor where
dept_name='entc';

ID      NAME

1       Omkar

2       Nikhil

3     Prathamesh

4       Ajinkya

5       Aditya

6       Sumit
```

```
SQL> select id, name from Instructor where dept_name='cse' minus select id, name from Instructor where
dept_name='entc';

ID      NAME

1       Omkar

2       Nikhil

4       Ajinkya

6       Sumit

SQL> select id, name from Instructor where salary='20000' intersect select id, name from Instructor where
salary='20000';

ID      NAME

1       Omkar
```