S.M. Rakib Hasan

ID-22241038

Sec-07

a)Select name,role from Employee where name like 'a%' or name like

'%e';

- b)Select \* from Employee where salary between 40000 and 600000;
- c)Select \* from Employee where Joining\_date<'2000-01-01';
- d)update Employee set salary=(select salary+(salary\*0.05));
- e)select name,salary+salary\*.20 as "Michael\_Bonus" from Employee where name= "Michael Scott";

f)Select \* from Employee order by salary desc;

```
MariaDB [The_office01]> Select * from Employee order by salary desc;
  Emp_ID :
                 Name
                                              Age
                                                          Ro le
                                                                                               Salary !
                                                                                                              Joining_Date
                 Michael Scott
Greed Bratton
Toby Flender
Angela Martin
Phyllis Vance
Dwight Shrute
                                                 40
50
35
33
                                                          Manager
Sales Executive
HR Manager
  E001
                                                                                               105000
                                                                                                              1980-06-01
2004-09-30
2005-09-28
  E011
                                                                                                 84000
                                                                                                 73500
68250
  E009
                                                          Accountant
Sales Executive
Assistant Manager
Sales Executive
  E004
                                                 40
32
30
28
30
29
28
  E010
  E005
                 Jim Harper
   E002
                                                                                                 63000
                 Kevin Malone
Andrew Bernard
Kelly Kapoor
  E008
                                                          Accountant
                                                                                                 63000
                                                          Sales Executive
Marketing Executive
  E007
                                                                                                 52500
   E006
  E003
                 Pam Beesly
                                                          Receptionist
                                                                                                 26250
                                                                                                               2003-09-30
    rows in set (0.000 sec)
```

g)select \* from Employee order by age;

```
MariaDB [The_officeO1]> select * from Employee order by age;
  Emp_ID :
                 Name
                                               Age
                                                          Ro le
                                                                                                Salary
                                                                                                               Joining_Date
                 Pam Beesly
Kevin Malone
Kelly Kapoor
                                                  28
28
29
30
30
   EUU3
                                                           Receptionist
                                                                                                  26250
                                                                                                               2003-09-30
                                                                                                  26250
63000
47250
63000
52500
                                                          Accountant
Marketing Executive
Sales Executive
Sales Executive
Assistant Manager
                                                                                                               2004-10-30
2003-09-30
   E008
   E006
                                                                                                               2003-67-36
2004-09-30
2007-05-10
2003-09-30
   E002
                 Jim Harper
Andrew Bernard
   E007
                                                  32
33
35
                  Dwight Shrute
   E005
                                                                                                  63000
                                                                                                               2003-09-30
2005-09-28
2004-09-30
1999-09-20
1999-09-20
1980-06-01
   E004
                  Angela Martin
                                                                                                  68250
                                                          Accountant
                 Toby Flender
Phyllis Vance
                                                                                                  73500
64050
   E009
                                                          HR Manager
                                                          Sales Executive
   E010
                                                  40
                 Michael Scott
Creed Bratton
   E001
                                                  40
                                                                                                105000
                                                                                                            i
                                                          Manager
                                                  50
                                                                                                  84000
   EØ11
                                                          Sales Executive
    rows in set (0.000 sec)
```

h)select \* from Employee where age>35 and Joining\_date<'2003-01-01';

```
MariaDB [The_officeO1]> select * from Employee where age>35 and Joining_date<'2003-01-01';
  Emp_ID :
                                                                     Salary
                                                                               | Joining_Date
              Name
                                   Age
                                             Ro le
              Michael Scott
Phyllis Vance
Creed Bratton
                                             Manager
Sales Executive
Sales Executive
                                                                                 1999-09-20
  E001
                                                                     105000
                                      40
50
                                                                      64050
84000
                                                                                 1999-09-20
1980-06-01
  E010
                                           99-09-20
  EØ11
 rows in set (0.000 sec)
```

i)delete from Employee where name="Creed Bratton";

```
MariaDB [The_office01]> delete from Employee where name="Creed Bratton";
Query OK, 1 row affected (0.092 sec)
MariaDB [The_office01]> select * from employee;
  Emp_ID :
                                              Age
                                                          Ro le
                                                                                                Salary
                                                                                                                Joining_Date
                 Name
                                                                                                               1999-09-20
2004-09-30
2003-09-30
2005-09-28
2003-09-30
   E001
                  Michael Scott
                                                  40
                                                                                                105000
                                                           Manager
                 Jim Harper
Pam Beesly
Angela Martin
Dwight Shrute
Kelly Kapoor
                                                           Sales Executive
Receptionist
                                                  30
28
33
32
                                                                                                  63000
26250
68250
  E002
   E003
   E004
                                                           Accountant
                                                          Assistant Manager
Marketing Executive
Sales Executive
   E005
                                                                                                  63000
                                                                                                               2003-09-30
2007-05-10
2004-10-30
2004-09-30
                                                                                                  47250
52500
   E006
                                                  29
                                                  30
28
                  Andrew Bernard
                                                                                                            -----
   E007
                 Kevin Malone
Toby Flender
Phyllis Vance
   E008
                                                                                                  63000
                                                           Accountant
                                                           HR Manager
Sales Executive
   E009
                                                  35
                                                                                                  73500
                                                                                                                1999-09-20
   E010
                                                                                                  64050
                                                  40
10 rows in set (0.000 sec)
```

j)select \* from Employee where role like "%executive";

```
MariaDB [The_office01]> select * from Employee where role like "%executive";
  Emp_ID :
             Name
                                    Age
                                             Ro le
                                                                         Salary
                                                                                      Joining_Date
              Jim Harper
  E002
                                             Sales Executive
                                                                           63000
                                                                                     2003-09-30
2007-05-10
1999-09-20
  E006
E007
             Kelly Kapoor
Andrew Bernard
Phyllis Vance
                                      29
30
                                                                           47250
52500
                                           ----
                                             Marketing Executive
                                                                                   ----
                                             Sales
                                                     Executive
  E010
                                       40
                                             Sales Executive
                                                                           64050
  rows in set (0.000 sec)
```

k)alter table Employee change column Name Employee\_Name varchar(30);

I)alter table employee add Bonus int;

m)Alter table employee drop column Bonus;

n)select distinct role from employee;

```
MariaDB [The_office01]> select distinct role from employee;

role
| role
| Manager
| Sales Executive
| Receptionist
| Accountant
| Assistant Manager
| Marketing Executive
| HR Manager
| Trows in set (0.001 sec)
```