Create Database Employee;

Use Employee;

Select EMP\_ID, FIRST\_NAME, LAST\_NAME,GENDER,DEPT from emp\_record\_table;

Select EMP\_ID, FIRST\_NAME, LAST\_NAME,GENDER,DEPT,EMP\_RATING from emp\_record\_table

Where EMP\_RATING<2;

Select EMP\_ID, FIRST\_NAME, LAST\_NAME,GENDER,DEPT,EMP\_RATING from emp\_record\_table

Where EMP\_RATING>4;

Select EMP\_ID, FIRST\_NAME, LAST\_NAME,GENDER,DEPT,EMP\_RATING from emp\_record\_table

Where EMP\_RATING Between 2 and 4;

Select concat(FIRST\_NAME," ",LAST\_NAME) as NAME from emp\_record\_table

where DEPT = 'FINANCE';

Select MANAGER\_ID,COUNT(EMP\_ID) as Count\_of\_Employees from emp\_record\_table

group by MANAGER\_ID order by Count\_of\_Employees;

Select\* from emp\_record\_table

Where DEPT = 'Healthcare'

Union

Select\* from emp\_record\_table

Where Dept = 'Finance';

Select EMP\_ID, FIRST\_NAME, LAST\_NAME, ROLE, DEPT,EMP\_RATING,max(EMP\_RATING)

Over (partition by DEPT) as MAX\_DEPT\_RATING

from emp\_record\_table

order by DEPT;

Select ROLE,max(SALARY), min(SALARY)from emp\_record\_table

group by ROLE;

Select EMP\_ID, FIRST\_NAME, LAST\_NAME,EXP,

RANK()OVER(Order by EXP)EXPERIENCE\_RANK

from emp\_record\_table;

Create View SALARY\_MORE\_THAN\_6K as

Select \* from emp\_record\_table

where SALARY>6000;

Select\* from SALARY\_MORE\_THAN\_6K;

Select\* from emp\_record\_table

Where (Select EXP>10);

Delimiter :

Create Procedure Exp\_3\_Years()

Begin

Select \* from emp\_record\_table

Where EXP > 3;

End:

Call Exp\_3\_Years;

Delimiter //

CREATE FUNCTION Emp\_\_Role(EXP INT)

Returns varchar(40)

DETERMINISTIC

Begin

Declare Emp\_Role Varchar(40);

If EXP between 12 and 16 Then

Set Emp\_Role = 'MANAGER';

Elseif EXP between 10 and 12 Then

Set Emp\_Role = 'LEAD DATA SCIENTIST';

Elseif EXP between 5 and 10 Then

Set Emp\_Role = 'SENIOR DATA SCIENTIST';

Elseif EXP between 2 and 5 Then

Set Emp\_Role = 'ASSOCIATE DATA SCIEMTIST';

Elseif EXP <= 2 Then

Set Emp\_Role = 'JUNIOR DATA SCIENTIST';

End if;

Return (Emp\_Role);

End //

Select EXP,Emp\_\_Role(EXP)

from data\_science\_team;

Create Index idx\_first\_name

On emp\_record\_table(FIRST\_NAME(20));

Select \* From emp\_record\_table

where FIRST\_NAME = 'Eric';

Select \*,(Salary + Salary\*.05\*EMP\_RATING) as New\_Salary from emp\_record\_table;

Select EMP\_ID, FIRST\_NAME, LAST\_NAME, SALARY, COUNTRY, CONTINENT,

Avg(SALARY)Over(Partition by COUNTRY)AVG\_SALARY\_IN\_COUNTRY,

Avg(SALARY)Over(Partition by CONTINENT)AVG\_SALARY\_IN\_CONTINENT,

Count(\*)Over(Partition by COUNTRY)COUNT\_IN\_COUNTRY,

Count(\*)Over(Partition by CONTINENT)COUNT\_IN\_CONTINENT

from emp\_record\_table