Title :ScienceQtech Employee Performance Mapping

Submitted By: Iti Aggarwal

Submitted to : Simplilearn Data Analytics IIT Kanpur

Source Code

Ans 1.

```
Create Database employee;
```

Ans 2.

Go to Database tab > Reverse Engeneering >Next>Finish>Select Schemas>Execute>Next>ER Diagram

Ans 3.

```
use employees;
select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,Dept from emp_record_table;
```

Ans 4.

```
select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,Dept,Emp_Rating,
        case
    when Emp_Rating < 2 then 'less than two'
    when Emp_Rating <= 4 then 'between two and four'
        else
                        'greater than four'
     end as Rating_Status
     from emp_record_table;
```

Ans 5.

```
select concat(FIRST_NAME,' ',LAST_NAME) as Name from emp_record_table
        where DEPT= 'FINANCE';
```

Ans 6.

```
select m.First_name as ManagerName , e.Emp_ID,e.First_Name,
       count(*) over(partition by m.First_Name) as No_of_Reporting
       from emp_record_table e join emp_record_table m on m.Emp_id = e.manager_id;
```

Ans 7.

```
select * from emp_record_table where dept='healthcare'
union
select * from emp_record_table where dept='finance';
```

Ans 8.

```
select Emp_ID,First_Name,Last_Name,Gender,DEPT,Emp_Rating,
    max(Emp_Rating) over(partition by DEPT) as Max_Rating
    from emp_record_table;
```

Ans 9.

```
select role,min(salary) as  Min_salary , max(salary) as Max_salary from emp_record_table
 group by role;
```

Ans 10.

```
select *, dense_rank() over (order by exp desc) as Ranking from emp_record_table;
```

Ans 11.

```
create view  SALARY_Emp
 as
 select First_name,Last_name,country,salary from emp_record_table where salary>6000;
 select First_Name,salary,country from SALARY_Emp;
```

Ans 12.

```
select * from emp_record_table where Emp_id in(
      select Emp_ID from emp_record_table where Exp > 10 );
```

Ans 13.

```
call emp_exp(3);
```

Ans 14.

```
CREATE DEFINER=`root`@`localhost` FUNCTION `Employee_Role`(exp int) RETURNS
varchar(50) CHARSET utf8mb4
    DETERMINISTIC
BEGIN
declare Employee_Role varchar(50);
If exp>12 and 16 then
set Employee_Role = 'MANAGER';
elseif exp>10 and 12 then
set Employee_Role = 'LEAD DATA SCIENTIST';
elseif exp>5 and 10 then
set Employee_Role = 'SENIOR DATA SCIENTIST';
elseif exp>2 and 5 then
set Employee_Role = 'ASSOCIATE DATA SCIENTIST';
elseif   exp<=2 then
set Employee_Role = 'JUNIOR DATA SCIENTIST';
end if;
RETURN Employee_Role;
END

select first_name,last_name,Exp,employee_role(exp) from data_science_team;
```

Ans 15.

```
select * from emp_record_table where first_name = 'eric';
```

Ans 16.

```
select *,salary*.05*emp_rating as bonus from emp_record_table;
```

Ans 17.

```
select continent,country,avg(salary) as averagesalary
from emp_record_table
group by continent,country;
```