```
--3
select emp_id,first_name, last_name,gender,dept
from emp_record_table
--4
select emp_id,first_name,last_name,gender,dept,emp_rating
from emp_record_table
where emp_rating <2
or    emp_rating >4
or    emp_rating between 2 and 4
--5
select concat(first_name,' ',last_name) as NAME
from emp_record_table
where dept = 'FINANCE'
--6
select emp_id as reporters, role from emp_record_table
where role = 'PRESIDENT'

--7
select emp_id,dept
from emp_record_table
where dept = 'HEALTHCARE'
union
select emp_id,dept
from emp_record_table
where dept = 'FINANCE'

--8
select
emp_id,
first_name,
last_name,
role,
dept,
emp_rating,
max(emp_rating) as max_emp_rating
from emp_record_table
group by
emp_id,
first_name,
last_name,
role,
dept,
emp_rating

--9
select
min(salary) as min_salary,
max(salary)as max_salary
from emp_record_table
group by
role

--10
SELECT
  EMP_ID,
  FIRST_NAME,
  LAST_NAME,
  EXP,
```

```
  RANK() OVER (ORDER BY EXP DESC) AS RANK
FROM
  emp_record_table;

--11

create view employee_salary_view as
select emp_id,country
from emp_record_table
where salary > 6000
group by emp_id,country;

select * from employee_salary_view

--12
SELECT *
FROM Emp_record_table
WHERE Emp_id IN (
    SELECT Emp_id
    FROM Emp_record_table
    WHERE exp >= 10
);
--13
create procedure get_exp_emp
as
begin
     select *
       from emp_record_table
     where exp >3;
end

call get_exp_emp();

--14
CREATE FUNCTION GetJobProfile(exp INT) RETURNS VARCHAR(50)
BEGIN
    DECLARE role VARCHAR(50);

    IF exp <= 2 THEN
        SET role = 'JUNIOR DATA SCIENTIST';
    ELSEIF exp > 2 AND experience <= 5 THEN
        SET role = 'ASSOCIATE DATA SCIENTIST';
    ELSEIF exp > 5 AND experience <= 10 THEN
        SET role = 'SENIOR DATA SCIENTIST';
    ELSEIF exp > 10 AND experience <= 12 THEN
        SET role = 'LEAD DATA SCIENTIST';
    ELSEIF exp > 12 AND experience <= 16 THEN
        SET role = 'MANAGER';
    ELSE
        SET role = 'UNKNOWN';
    END IF;

    RETURN role;
END;

SELECT Emp_ID, first_Name,last_name, Exp, GetJobProfile(Exp) AS
JobProfile
FROM data_sccience_team
```

```
WHERE role = 'Data Science';

--15

CREATE INDEX idx_employee_firstname ON emp_record_table(FIRST_NAME);

--16
SELECT Emp_ID, Salary, emp_Rating, (0.05 * Salary * emp_Rating) AS Bonus
FROM emp_record_table;
--17
SELECT Continent, Country, AVG(Salary) AS AverageSalary
FROM emp_record_table
GROUP BY Continent, Country;
```