```
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, DEPT FROM emp_record_table WHERE
DEPT = 'FINANCE';

SELECT EMPLOYEE.EMP_ID, CONCAT(EMPLOYEE.FIRST_NAME,' ',EMPLOYEE.LAST_NAME) AS
EMPLOYEE_NAME,
MANAGER.MANAGER_ID, CONCAT(MANAGER.FIRST_NAME,' ',MANAGER.LAST_NAME) AS
MANAGER_NAME,
MANAGER.ROLE AS ROLE FROM emp_record_table EMPLOYEE JOIN emp_record_table MANAGER
ON EMPLOYEE.MANAGER_ID = MANAGER.EMP_ID;

SELECT EMP_ID, FIRST_NAME, LAST_NAME, DEPT AS DEPARTMENT
FROM emp_record_table WHERE DEPT = 'HEALTHCARE'
UNION
SELECT EMP_ID, FIRST_NAME, LAST_NAME, DEPT AS DEPARTMENT
FROM emp_record_table WHERE DEPT = 'FINANCE';

SELECT EMP_ID, FIRST_NAME, LAST_NAME, ROLE, DEPT, EMP_RATING, MAX(EMP_RATING) AS
MAX_EMP_RATING
FROM emp_record_table GROUP BY DEPT, EMP_ID, FIRST_NAME, LAST_NAME, ROLE,
EMP_RATING;

SELECT ROLE, MAX(SALARY) AS MAX_SALARY, MIN(SALARY) AS MINIMUM_SALARY FROM
emp_record_table
GROUP BY ROLE;

SELECT EMP_ID, FIRST_NAME, LAST_NAME, ROLE, DEPT, EXP, RANK() OVER( ORDER BY EXP
DESC ) AS RANKING
FROM emp_record_table;

CREATE VIEW EMPLOYEES_SALARY AS
SELECT EMP_ID, FIRST_NAME, LAST_NAME, COUNTRY, SALARY
FROM emp_record_table
WHERE SALARY > 6000;

SELECT EMP_ID, FIRST_NAME, LAST_NAME, EXP FROM emp_record_table
```

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WHERE EMP_ID IN(SELECT MANAGER_ID FROM emp_record_table);


DELIMITER //
CREATE PROCEDURE EMPLOYEES_DETAILS()
BEGIN
        SELECT EMP_ID, FIRST_NAME, LAST_NAME, EXP FROM emp_record_table WHERE EXP >
3;
END //
DELIMITER ;


DELIMITER //
CREATE FUNCTION Employee_ROLE(
EXP int
)
RETURNS VARCHAR(40)
DETERMINISTIC
BEGIN
        DECLARE Employee_ROLE VARCHAR(40);
    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 EXP, Employee_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';

update emp_record_table
set SALARY = (select salary +(select salary*.05 * EMP_RATING)),
SELECT * 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;
```