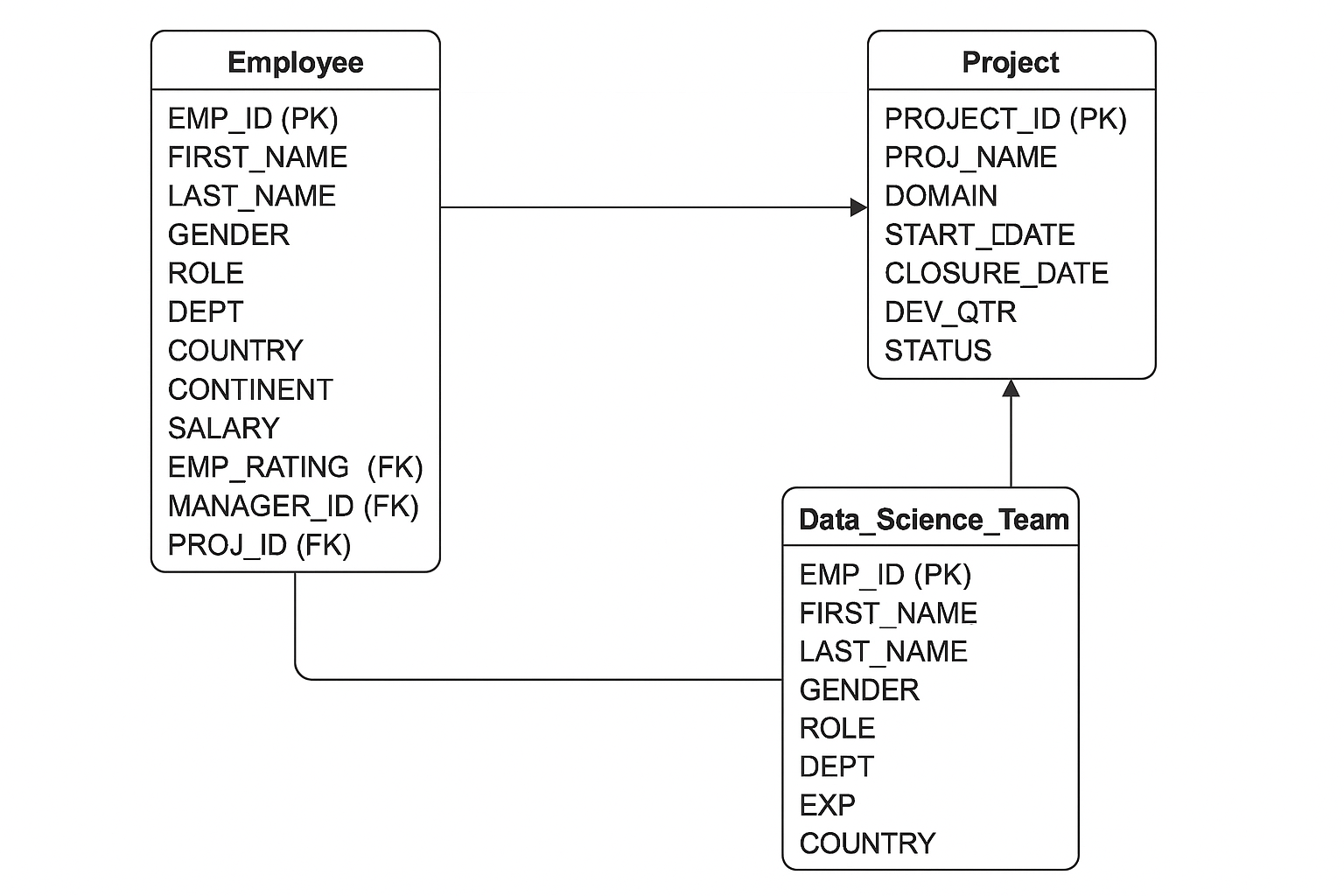
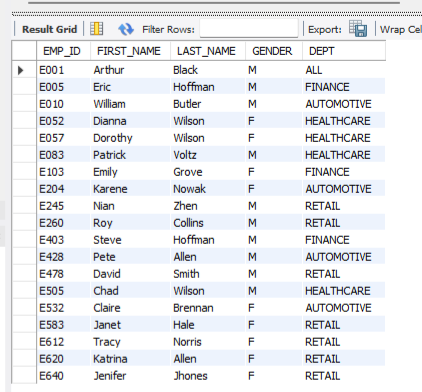
**EMPLOYEE PERFORMANCE MAPPING**

## ACTIONS

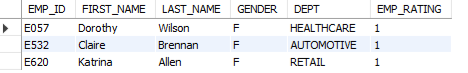
1. Create database employee;

use employee;

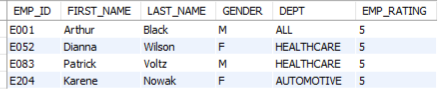
1. ER -DIAGRAM
2. SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,GENDER,DEPT from emp\_record\_table;



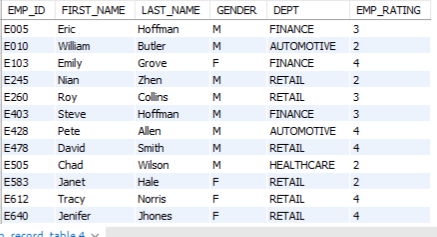
1. SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,GENDER,DEPT,EMP\_RATING from emp\_record\_table
   * + 1. WHERE EMP\_RATING <2;



* + - 1. WHERE EMP\_RATING >4;

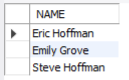


* + - 1. WHERE EMP\_RATING BETWEEN 2 AND 4;



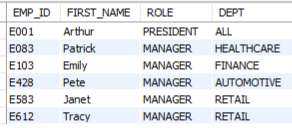
1. SELECT CONCAT(FIRST\_NAME, " ",LAST\_NAME) AS NAME FROM emp\_record\_table

WHERE DEPT='FINANCE';



1. SELECT EMP\_ID,FIRST\_NAME,ROLE,DEPT FROM emp\_record\_table

WHERE ROLE IN('Manager','President','CEO');



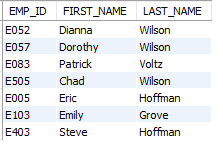
1. SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME FROM emp\_record\_table

WHERE DEPT='HEALTHCARE'

UNION

SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME FROM emp\_record\_table

WHERE DEPT='FINANCE';

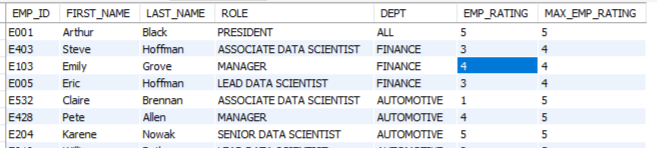


1. SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,ROLE,e.DEPT,EMP\_RATING,d.MAX\_EMP\_RATING FROM emp\_record\_table e

JOIN ( SELECT DEPT , MAX(EMP\_RATING) AS MAX\_EMP\_RATING FROM emp\_record\_table

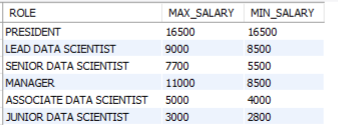
GROUP BY DEPT ) d

ON e.DEPT=d.DEPT;

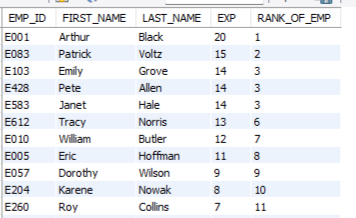


1. SELECT ROLE ,MAX(SALARY) AS MAX\_SALARY , MIN(SALARY) AS MIN\_SALARY FROM emp\_record\_table

GROUP BY ROLE;



1. SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME ,EXP,RANK() OVER(ORDER BY EXP DESC) AS RANK\_OF\_EMP FROM emp\_record\_table;

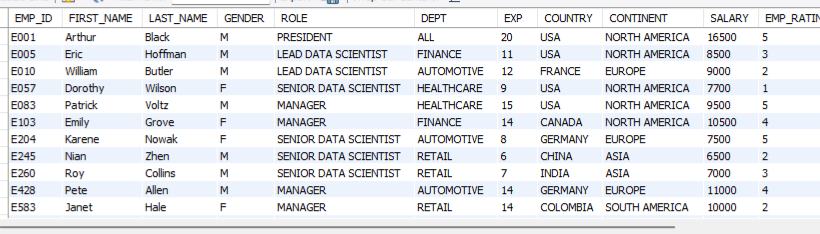


1. CREATE VIEW EMP\_TABLE AS

SELECT \* FROM emp\_record\_table

WHERE SALARY>6000;

SELECT \* FROM EMP\_TABLE;



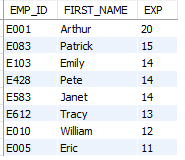
1. SELECT e.EMP\_ID,e.FIRST\_NAME,e.EXP

FROM emp\_record\_table e

WHERE e.EMP\_ID IN(SELECT s.EMP\_ID FROM emp\_record\_table s

WHERE s.EXP>10)

ORDER BY e.EXP DESC;



1. DELIMITER //

CREATE FUNCTION Get\_Standard\_role(exp int)

RETURNS VARCHAR(50)

DETERMINISTIC

BEGIN

DECLARE

ROLE VARCHAR(50);

CASE

WHEN exp<=2 THEN SET ROLE='JUNIOR DATA SCIENTIST';

WHEN exp<=5 THEN SET ROLE= 'ASSOCIATE DATA SCIENTIST';

WHEN exp<=10 THEN SET ROLE='SENIOR DATA SCIENTIST';

WHEN exp<=12 THEN SET ROLE='LEAD DATA SCIENTIST';

WHEN exp<=16 THEN SET ROLE='MANAGER';

ELSE SET ROLE ='OTHER';

END CASE;

RETURN ROLE;

END;

//

DELIMITER ;

SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,ROLE,Get\_Standard\_Role(d.EXP) as EXPECTED\_ROLE,

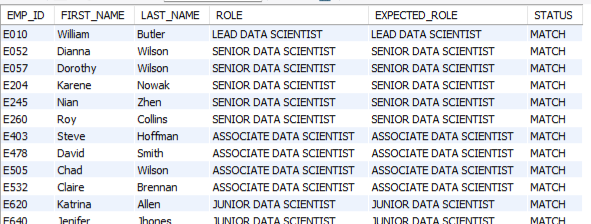
CASE

WHEN d.ROLE=Get\_Standard\_Role(d.EXP) THEN 'MATCH'

ELSE 'MISMATCH'

END AS STATUS

FROM data\_science\_team d;



1. EXPLAIN SELECT \* FROM emp\_record\_table WHERE FIRST\_NAME='Eric';

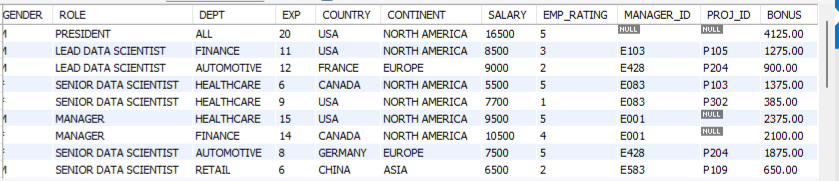


CREATE INDEX EMP\_FIRST\_NAME ON emp\_record\_table(FIRST\_NAME(50));

EXPLAIN SELECT \* FROM emp\_record\_table WHERE FIRST\_NAME='Eric';



1. SELECT \* , (0.05\*SALARY\*EMP\_RATING) AS BONUS FROM emp\_record\_table;



1. SELECT COUNTRY,CONTINENT , AVG(SALARY) FROM emp\_record\_table

GROUP BY 1,2;

