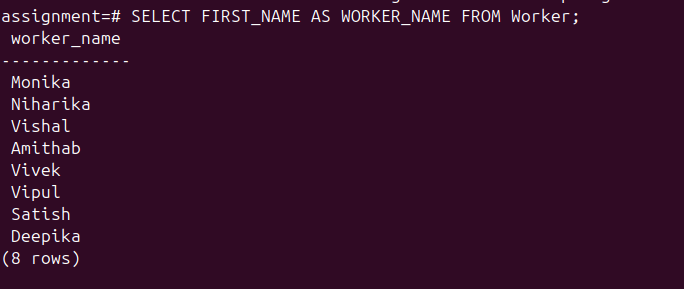
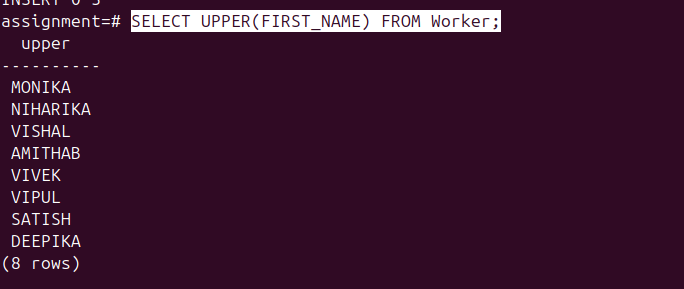
1

A.

SELECT FIRST\_NAME AS WORKER\_NAME FROM Worker;  


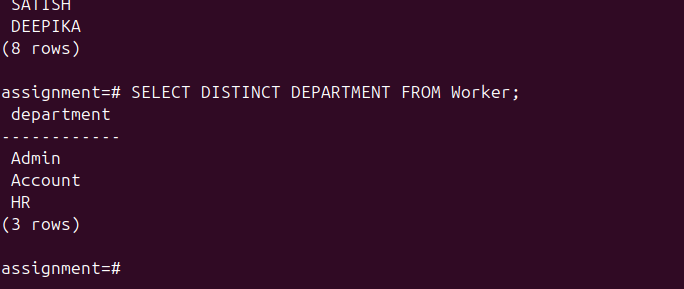
B.

SELECT UPPER(FIRST\_NAME) FROM Worker;



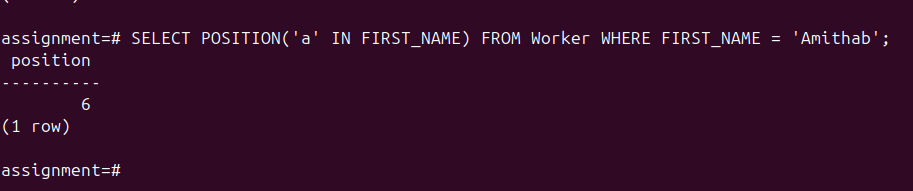
C.

SELECT DISTINCT DEPARTMENT FROM Worker;

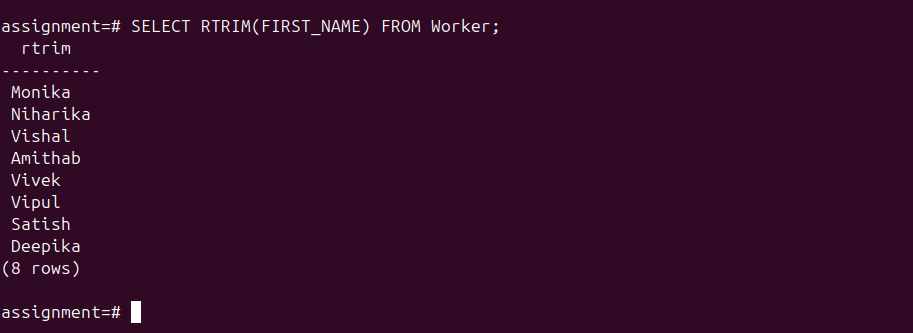


D.

SELECT POSITION('a' IN FIRST\_NAME) FROM Worker WHERE FIRST\_NAME = 'Amithab';



E.

SELECT RTRIM(FIRST\_NAME) FROM Worker;  


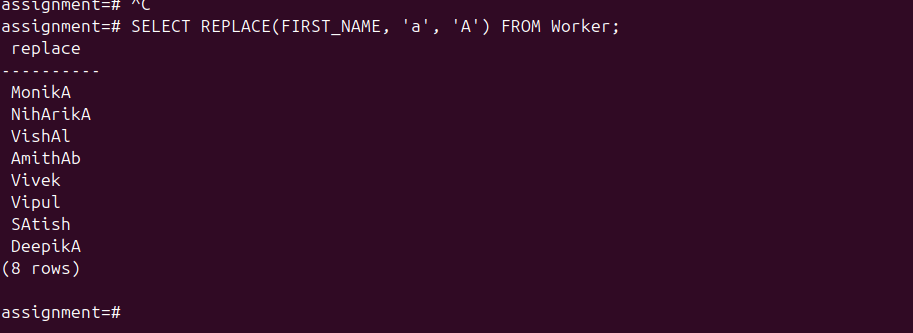
F.

SELECT LTRIM(DEPARTMENT) FROM Worker;



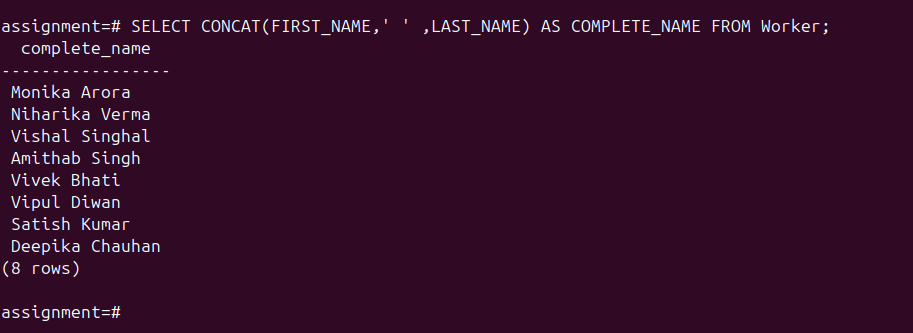
G.

SELECT REPLACE(FIRST\_NAME, 'a', 'A') FROM Worker;

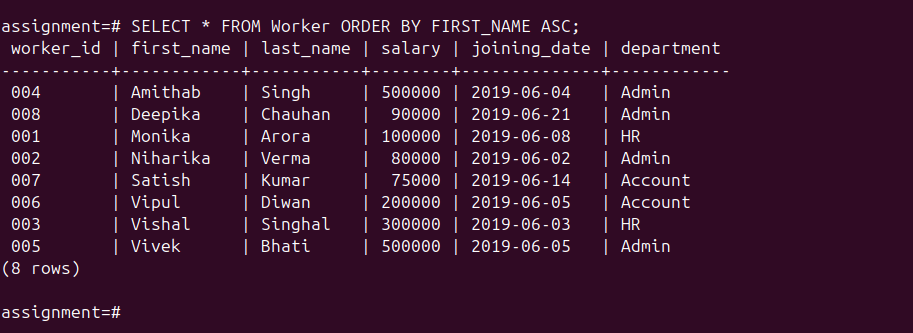


H.

SELECT CONCAT(FIRST\_NAME,' ' ,LAST\_NAME) AS COMPLETE\_NAME FROM Worker;

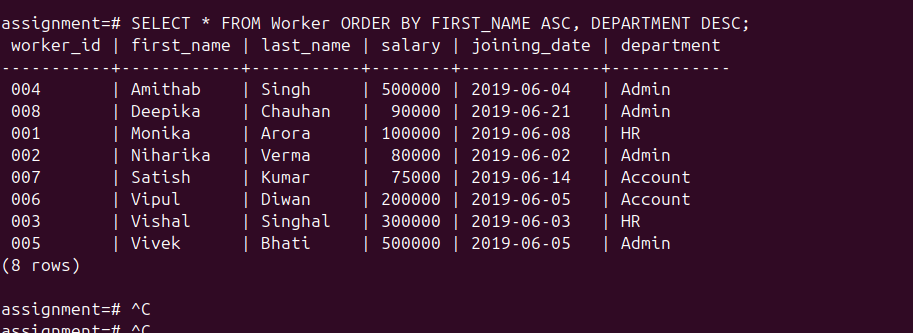


I.

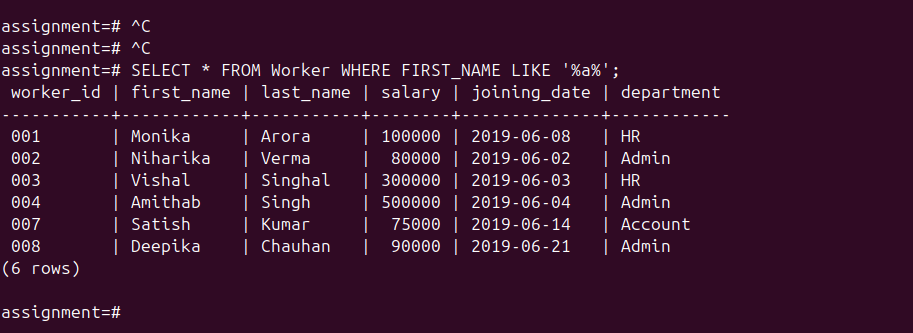
SELECT \* FROM Worker ORDER BY FIRST\_NAME ASC;  


J.

SELECT \* FROM Worker ORDER BY FIRST\_NAME ASC, DEPARTMENT DESC;

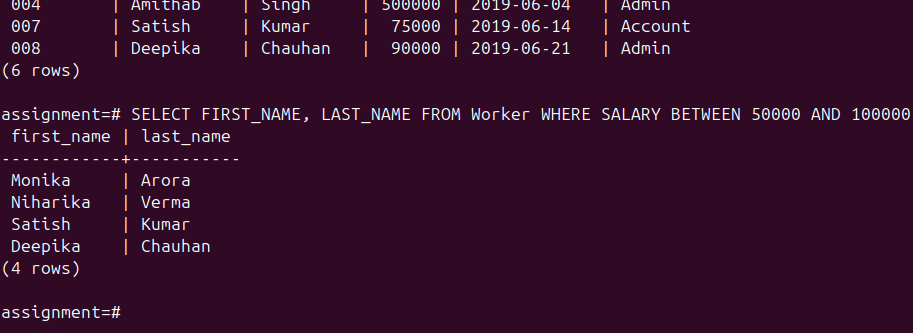


K.

SELECT \* FROM Worker WHERE FIRST\_NAME LIKE '%a%';  


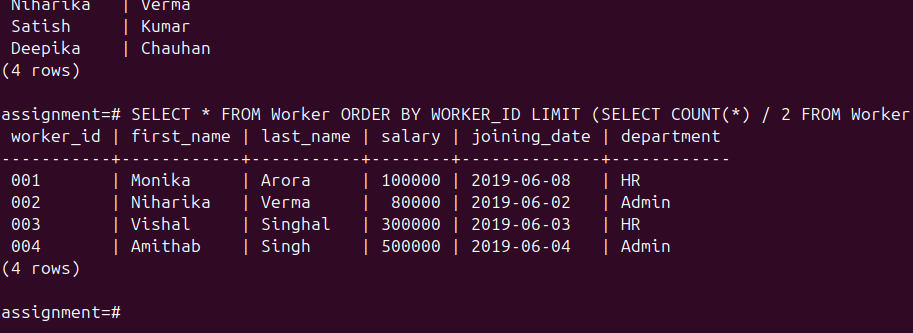
L.

SELECT FIRST\_NAME, LAST\_NAME FROM Worker WHERE SALARY BETWEEN 50000 AND 100000;

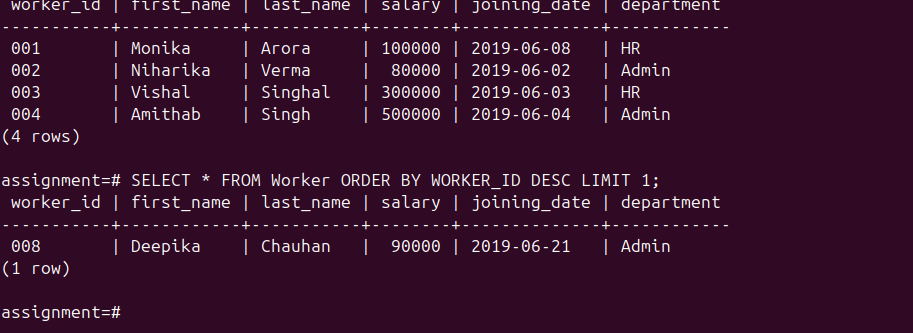


M.

SELECT \* FROM Worker ORDER BY WORKER\_ID LIMIT (SELECT COUNT(\*) / 2 FROM Worker);

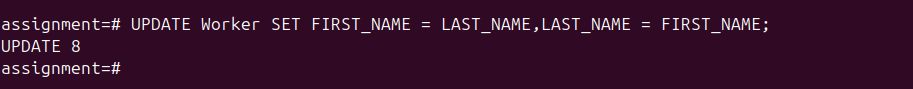


N.

SELECT \* FROM Worker ORDER BY WORKER\_ID DESC LIMIT 1;  


O.

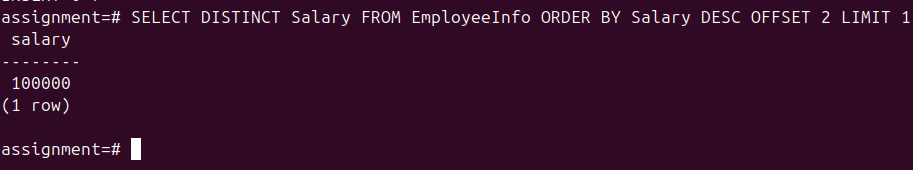
UPDATE Worker SET FIRST\_NAME = LAST\_NAME,LAST\_NAME = FIRST\_NAME;



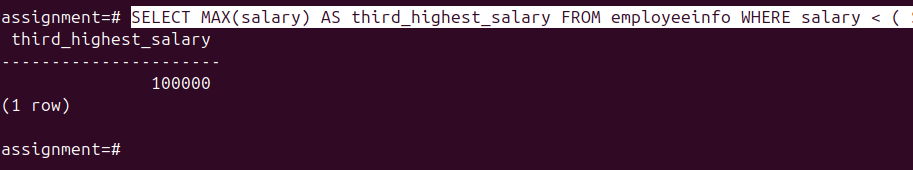
2.

A.

SELECT DISTINCT Salary FROM EmployeeInfo ORDER BY Salary DESC OFFSET 2 LIMIT 1;

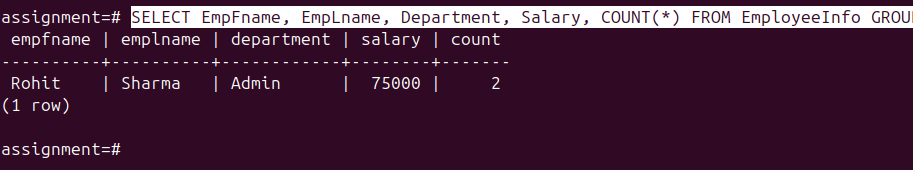


B.

SELECT MAX(salary) AS third\_highest\_salary FROM employeeinfo WHERE salary < ( SELECT MAX(salary) FROM employeeinfo WHERE salary < (SELECT MAX(salary) FROM employeeinfo));  


C.

SELECT EmpFname, EmpLname, Department, Salary, COUNT(\*) FROM EmployeeInfo GROUP BY EmpFname, EmpLname, Department, Salary HAVING COUNT(\*) > 1;



D.

SELECT

CASE

WHEN ROW\_NUMBER() OVER (ORDER BY EmpID) % 2 = 0 THEN 'Even'

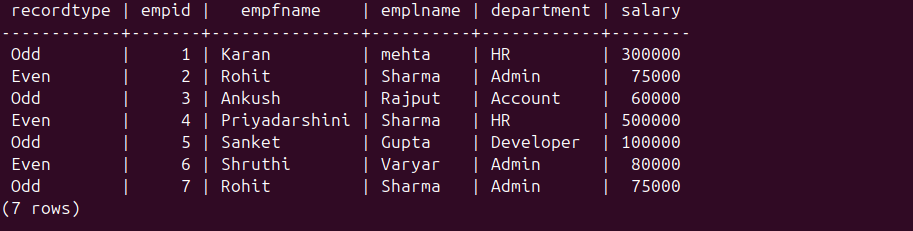
ELSE 'Odd'

END AS RecordType,

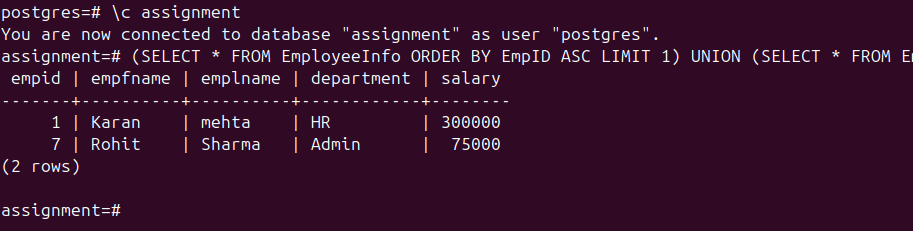
EmpID, EmpFname, EmpLname, Department, Salary

FROM EmployeeInfo

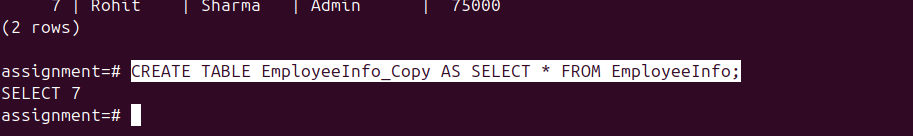
ORDER BY EmpID;



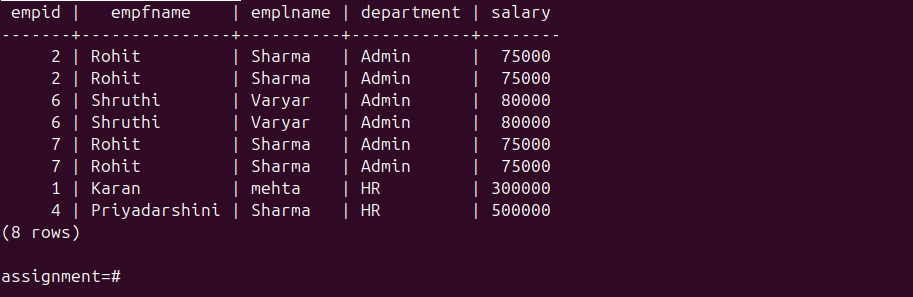
E.

(SELECT \* FROM EmployeeInfo ORDER BY EmpID ASC LIMIT 1) UNION (SELECT \* FROM EmployeeInfo ORDER BY EmpID DESC LIMIT 1);  
  
F.

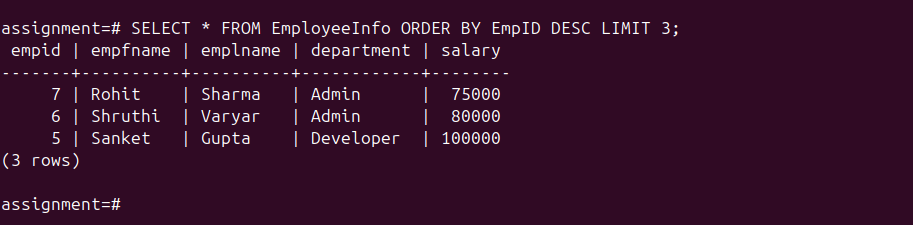
CREATE TABLE EmployeeInfo\_Copy AS SELECT \* FROM EmployeeInfo;



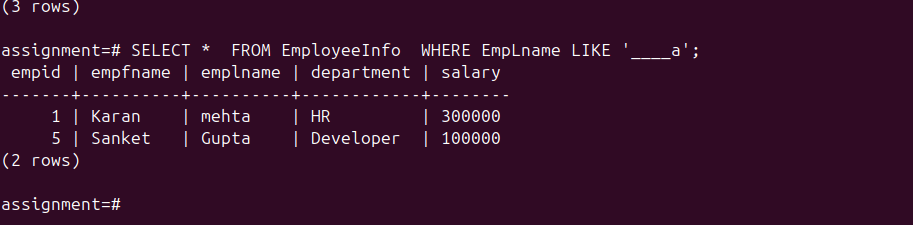
G.

SELECT e1.EmpID, e1.EmpFname, e1.EmpLname, e1.Department, e1.Salary FROM EmployeeInfo e1 JOIN EmployeeInfo e2 ON e1.Department = e2.Department AND e1.EmpID != e2.EmpID ORDER BY e1.Department, e1.EmpID;  
  


H.

SELECT \* FROM EmployeeInfo ORDER BY EmpID DESC LIMIT 3;  


I.

SELECT \* FROM EmployeeInfo WHERE EmpLname LIKE '\_\_\_\_a';  


3

A.

SELECT

i.item\_category AS Category,

SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 1 THEN o.quantity ELSE 0 END) AS Monday,

SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 2 THEN o.quantity ELSE 0 END) AS Tuesday,

SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 3 THEN o.quantity ELSE 0 END) AS Wednesday,

SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 4 THEN o.quantity ELSE 0 END) AS Thursday,

SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 5 THEN o.quantity ELSE 0 END) AS Friday,

SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 6 THEN o.quantity ELSE 0 END) AS Saturday,

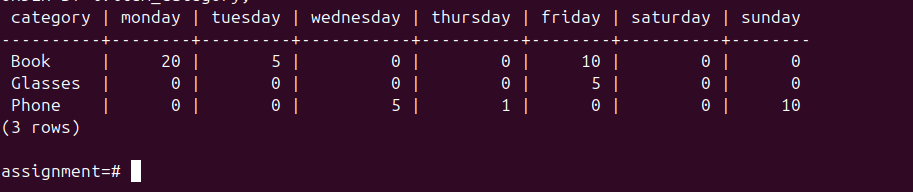
SUM(CASE WHEN EXTRACT(DOW FROM o.order\_date) = 0 THEN o.quantity ELSE 0 END) AS Sunday

FROM Orders o

JOIN Items i ON o.item\_id = i.item\_id

GROUP BY i.item\_category

ORDER BY i.item\_category;



4.

SELECT

d.Name AS Department,

e.Name AS Employee,

e.Salary

FROM Employee e

JOIN Department d ON e.DepartmentId = d.Id

WHERE e.Salary IN (

SELECT Salary

FROM Employee e2

WHERE e2.DepartmentId = e.DepartmentId

ORDER BY Salary DESC

LIMIT 3

)

ORDER BY d.Name, e.Salary DESC;

