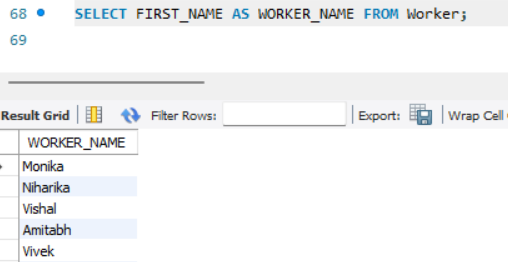
**SQL TASK IMPLEMENTATION QUERIES**

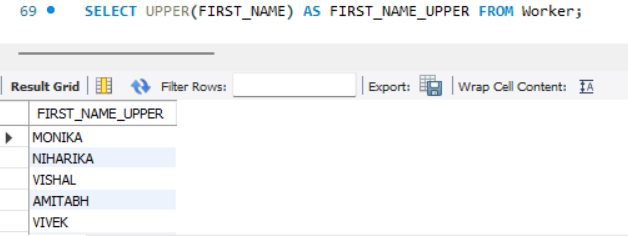
1.Ans:

SELECT FIRST\_NAME AS WORKER\_NAME FROM Worker;



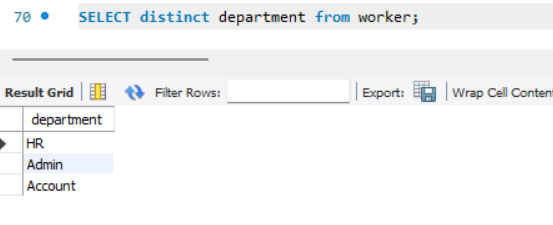
2.ANS:

SELECT UPPER(FIRST\_NAME) AS FIRST\_NAME\_UPPER FROM Worker;



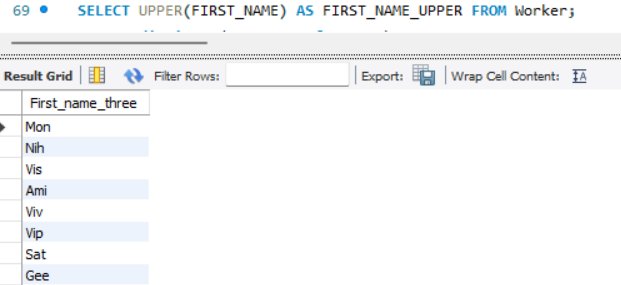
3.ANS:

SELECT distinct department from worker;



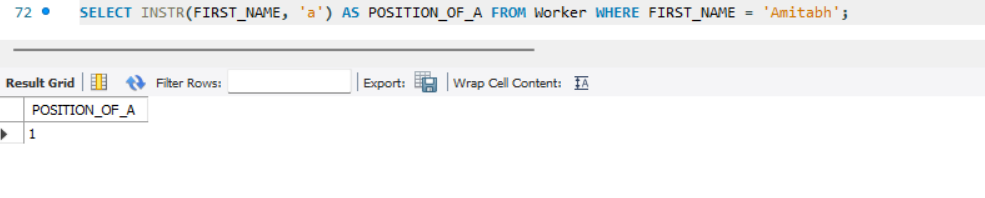
4.ANS:

select left(FIRST\_NAME,3) as First\_name\_three from Worker;



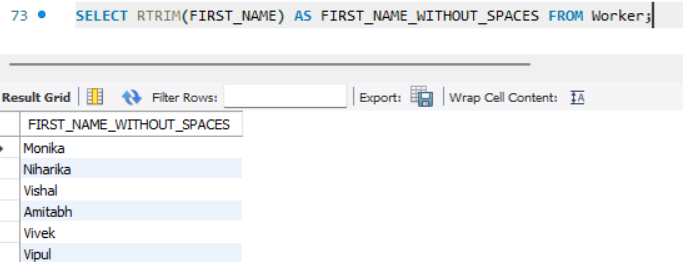
5.ANS:

SELECT INSTR(FIRST\_NAME, 'a') AS POSITION\_OF\_A FROM Worker WHERE FIRST\_NAME = 'Amitabh';



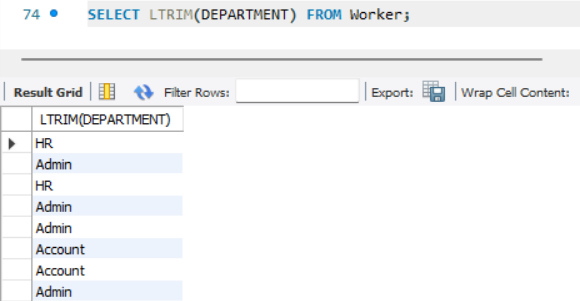
6.ANS:

SELECT RTRIM(FIRST\_NAME) AS FIRST\_NAME\_WITHOUT\_SPACES FROM Worker;



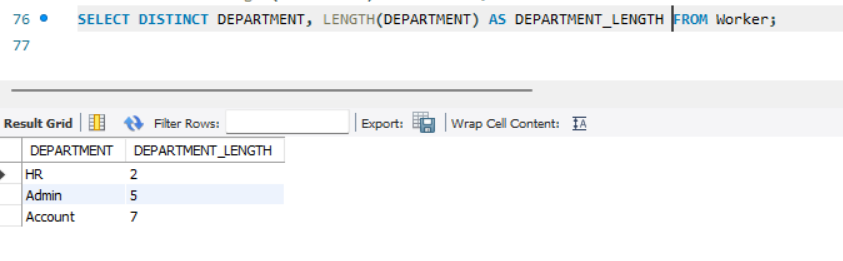
7.ANS:

SELECT LTRIM(DEPARTMENT) FROM Worker;



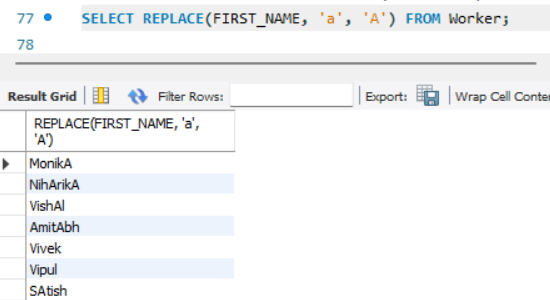
8.ANS:

SELECT DISTINCT DEPARTMENT, LENGTH(DEPARTMENT) AS DEPARTMENT\_LENGTH FROM Worker;



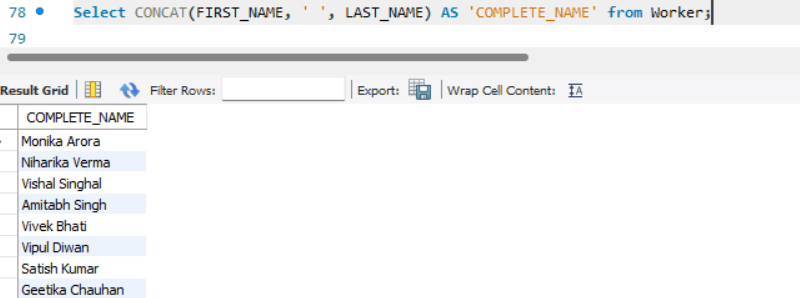
9.ANS:

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



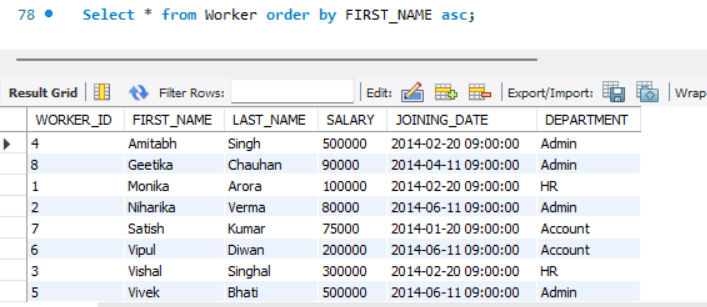
10.ANS:

Select CONCAT(FIRST\_NAME, ' ', LAST\_NAME) AS 'COMPLETE\_NAME' from Worker;



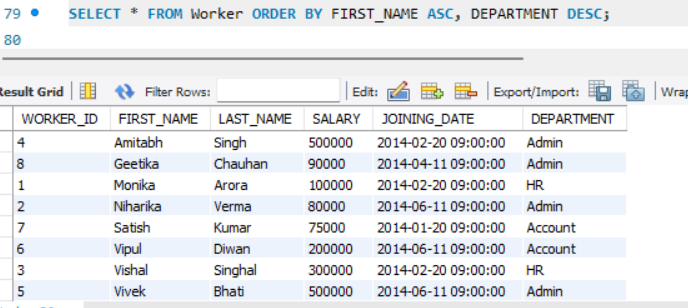
11.ANS:

Select \* from Worker order by FIRST\_NAME asc;



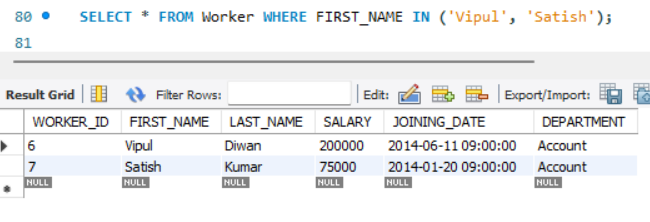
12.ANS:

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



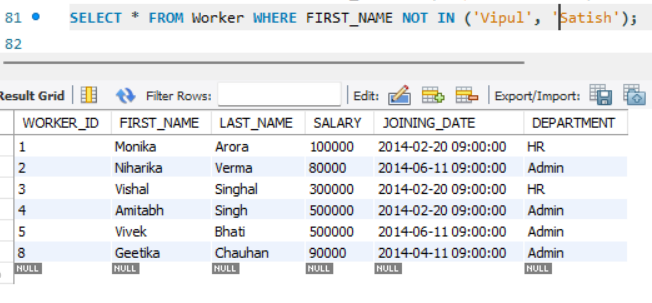
13.Ans:

SELECT \* FROM Worker WHERE FIRST\_NAME IN ('Vipul', 'Satish');



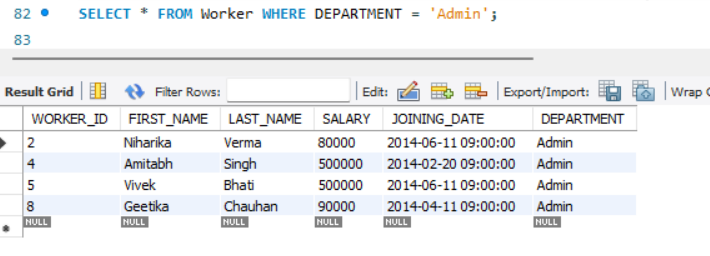
14.ANS:

SELECT \* FROM Worker WHERE FIRST\_NAME NOT IN ('Vipul', 'Satish');



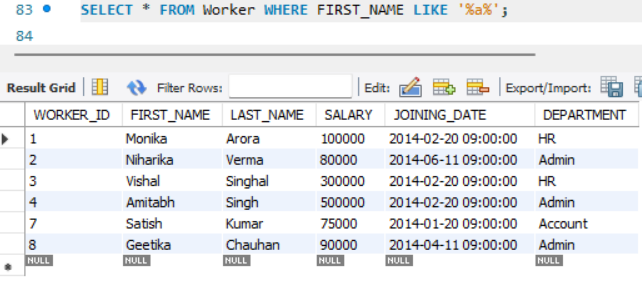
15.ANS:

SELECT \* FROM Worker WHERE DEPARTMENT = 'Admin';



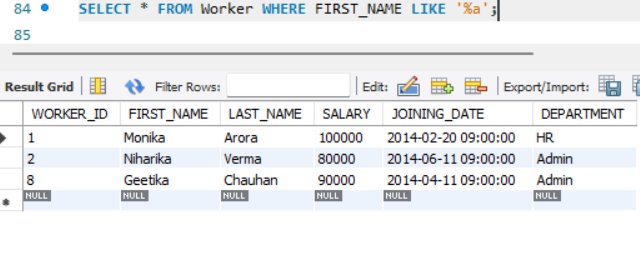
16.ANS:

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



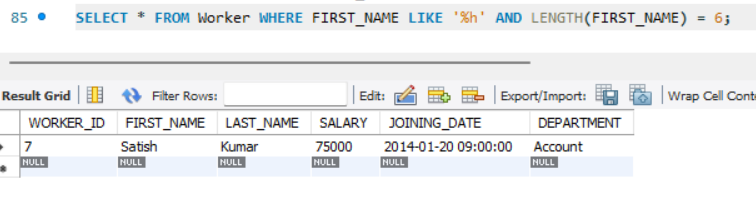
17.Ans:

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



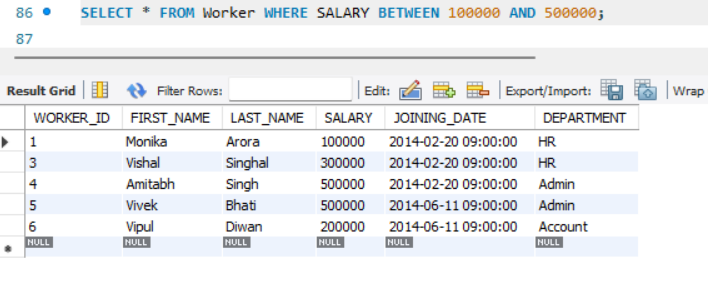
18.ANS:

SELECT \* FROM Worker WHERE FIRST\_NAME LIKE '%h' AND LENGTH(FIRST\_NAME) = 6;



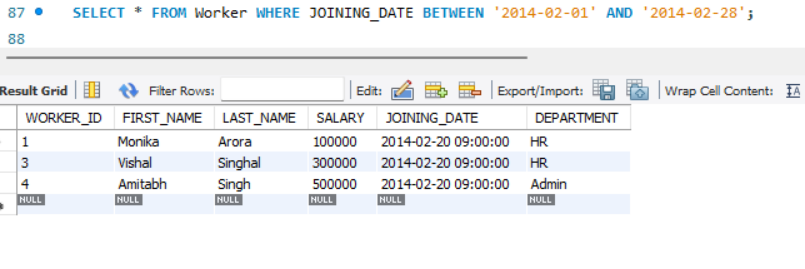
19.Ans:

SELECT \* FROM Worker WHERE SALARY BETWEEN 100000 AND 500000;



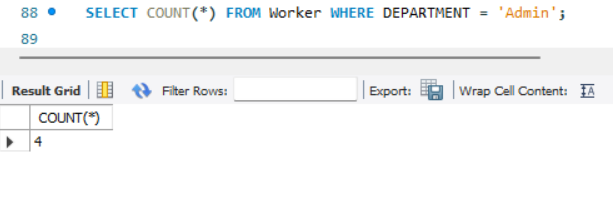
20.Ans:

SELECT \* FROM Worker WHERE JOINING\_DATE BETWEEN '2014-02-01' AND '2014-02-28';



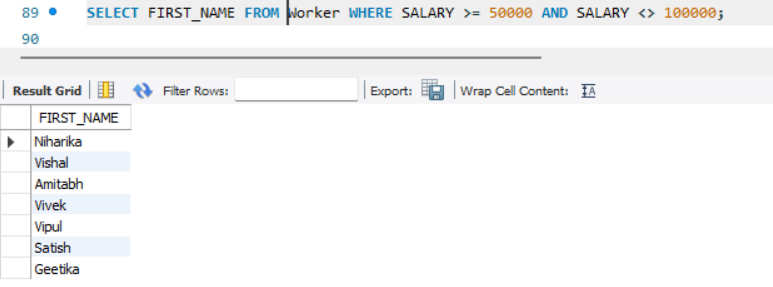
21.ANS:

SELECT COUNT(\*) FROM Worker WHERE DEPARTMENT = 'Admin';



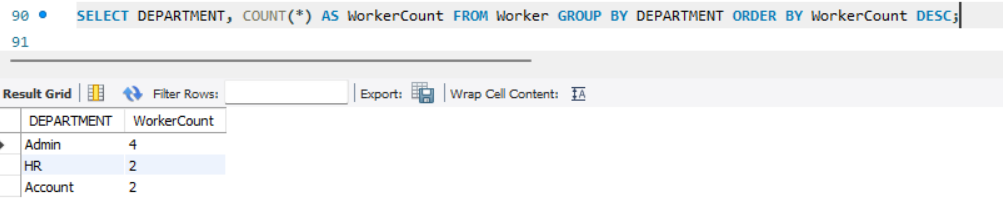
22.ANS:

SELECT FIRST\_NAME FROM Worker WHERE SALARY >= 50000 AND SALARY <> 100000;



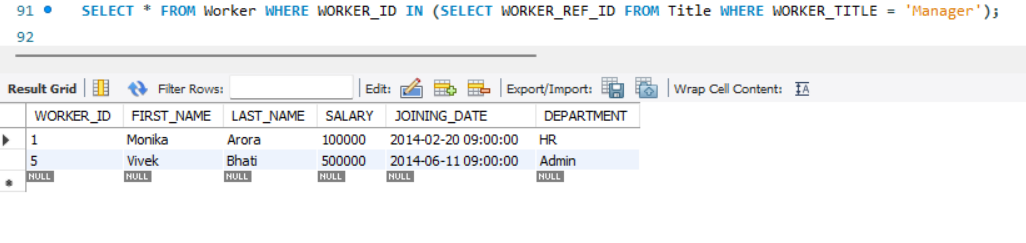
23.ANS:

SELECT DEPARTMENT, COUNT(\*) AS WorkerCount FROM Worker GROUP BY DEPARTMENT ORDER BY WorkerCount DESC;

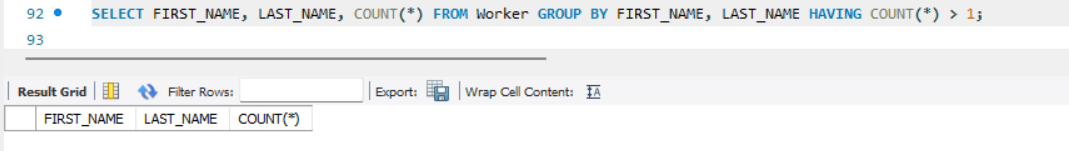


24.ANS:

SELECT \* FROM Worker WHERE WORKER\_ID IN (SELECT WORKER\_REF\_ID FROM Title WHERE WORKER\_TITLE = 'Manager');

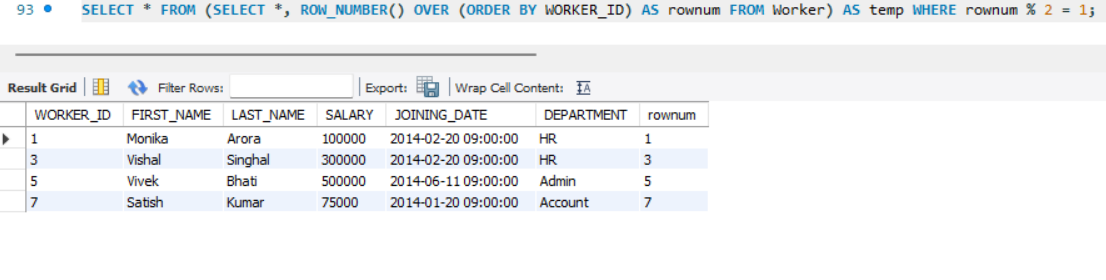


25.ANS:

SELECT FIRST\_NAME, LAST\_NAME, COUNT(\*) FROM Worker GROUP BY FIRST\_NAME, LAST\_NAME HAVING COUNT(\*) > 1;

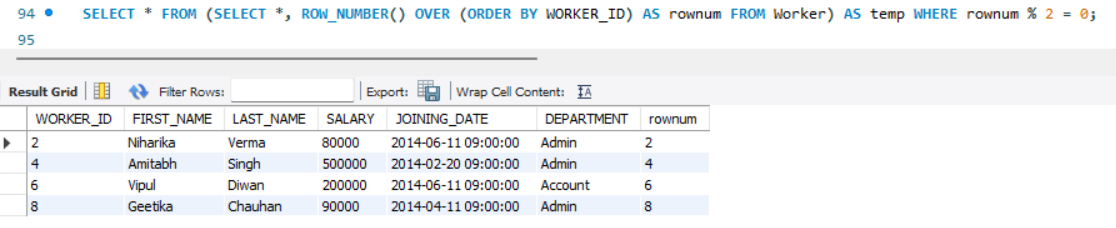
26.ANS:

SELECT \* FROM (SELECT \*, ROW\_NUMBER() OVER (ORDER BY WORKER\_ID) AS rownum FROM Worker) AS temp WHERE rownum % 2 = 1;

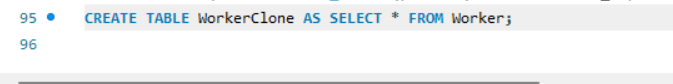


27.ANS:

SELECT \* FROM (SELECT \*, ROW\_NUMBER() OVER (ORDER BY WORKER\_ID) AS rownum FROM Worker) AS temp WHERE rownum % 2 = 0;

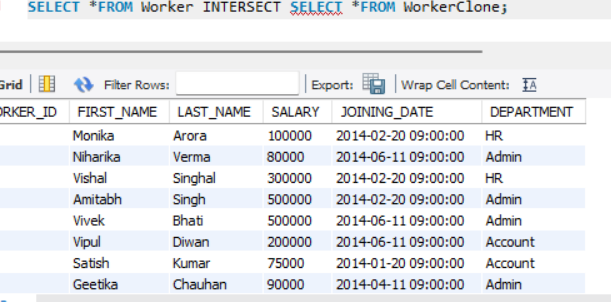


28.ANS:



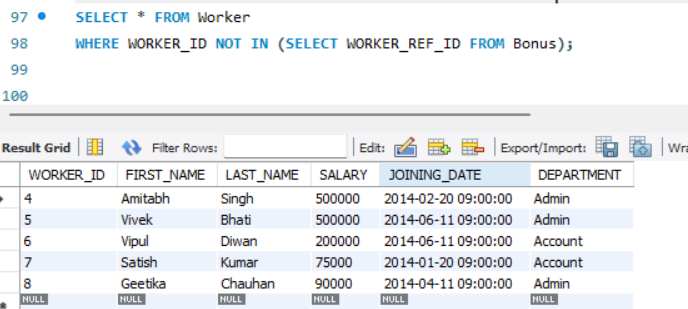
29.ANS:

SELECT \*FROM Worker INTERSECT SELECT \*FROM WorkerClone;



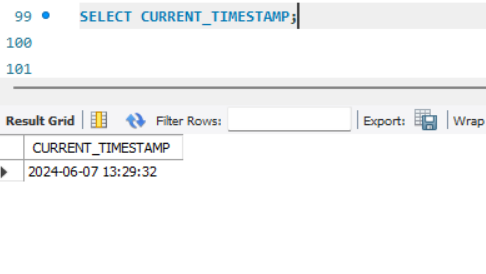
30.ANS:

SELECT \* FROM Worker WHERE WORKER\_ID NOT IN (SELECT WORKER\_REF\_ID FROM Bonus);



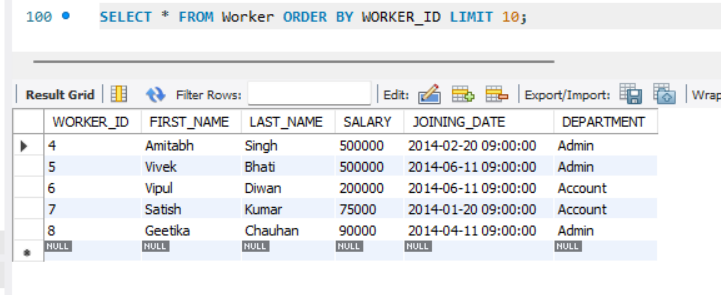
31.ANS:

SELECT CURRENT\_TIMESTAMP;



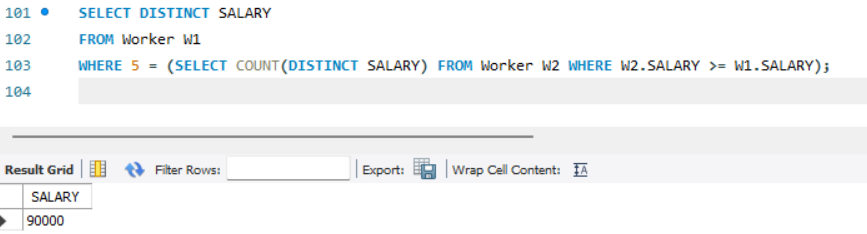
32.ANS:

SELECT \* FROM Worker ORDER BY WORKER\_ID LIMIT 10;



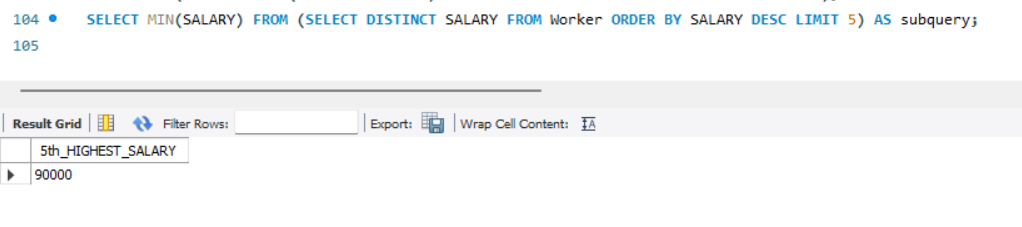
33.ANS:

SELECT DISTINCT SALARY FROM Worker W1 WHERE 5 = (SELECT COUNT(DISTINCT SALARY) FROM Worker W2 WHERE W2.SALARY >= W1.SALARY);



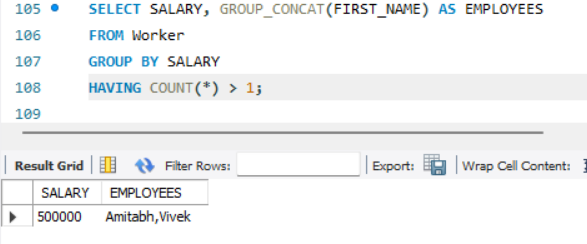
34.ANS:

SELECT MIN(SALARY) FROM (SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 5) AS subquery;



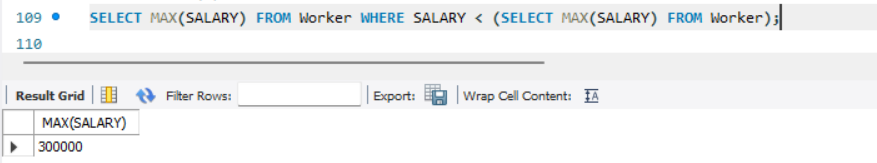
35.ANS:

SELECT SALARY, GROUP\_CONCAT(FIRST\_NAME) AS EMPLOYEES FROM Worker GROUP BY SALARY HAVING COUNT(\*) > 1;



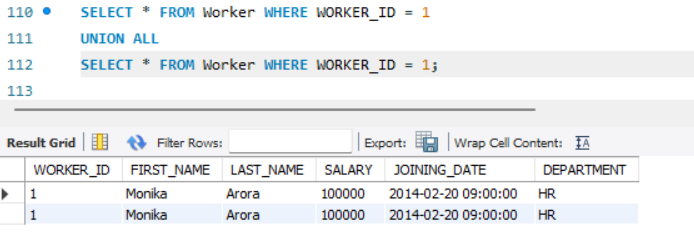
36.ANS:

SELECT MAX(SALARY) FROM Worker WHERE SALARY < (SELECT MAX(SALARY) FROM Worker);



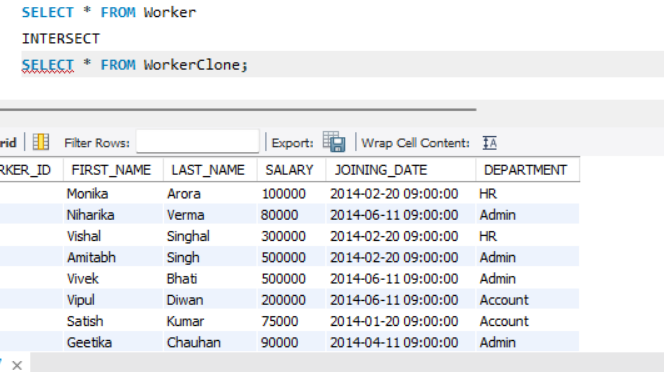
37.ANS:

SELECT \* FROM Worker WHERE WORKER\_ID = 1 UNION ALL SELECT \* FROM Worker WHERE WORKER\_ID = 1;



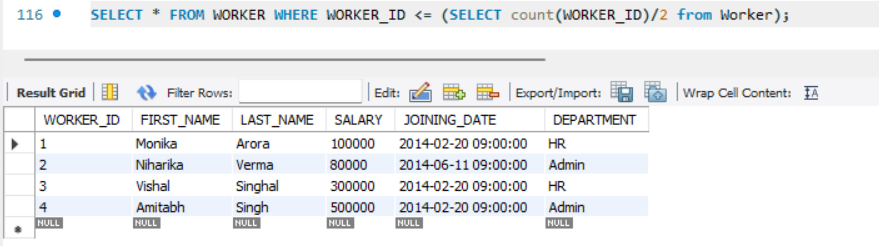
38.ANS:

SELECT \* FROM Worker INTERSECT SELECT \* FROM WorkerClone;



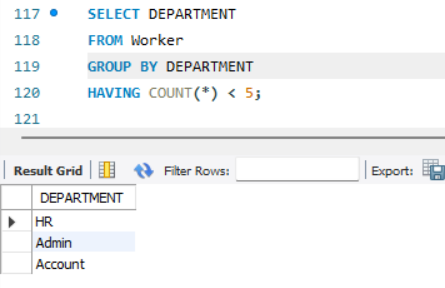
39.ANS:

SELECT \* FROM WORKER WHERE WORKER\_ID <= (SELECT count(WORKER\_ID)/2 from Worker);



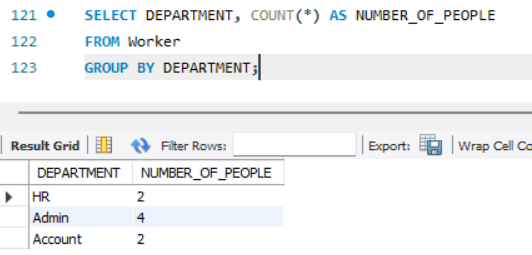
40.ANS:

SELECT DEPARTMENT FROM Worker GROUP BY DEPARTMENT HAVING COUNT(\*) < 5;



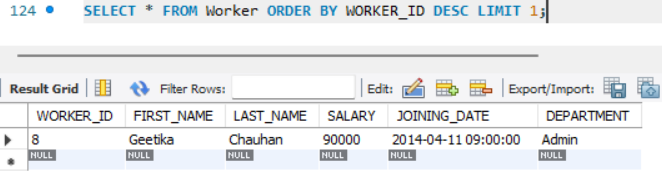
41.ANS:

SELECT DEPARTMENT, COUNT(\*) AS NUMBER\_OF\_PEOPLE FROM Worker GROUP BY DEPARTMENT;



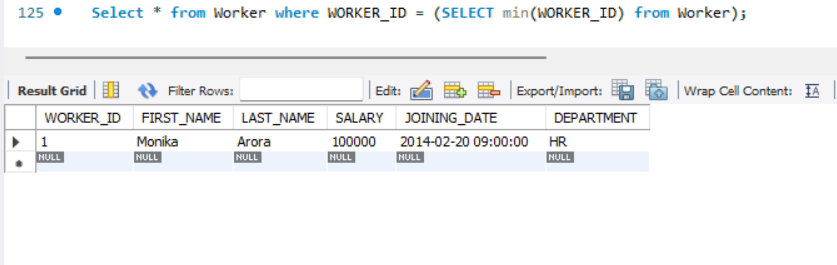
42.ANS:

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



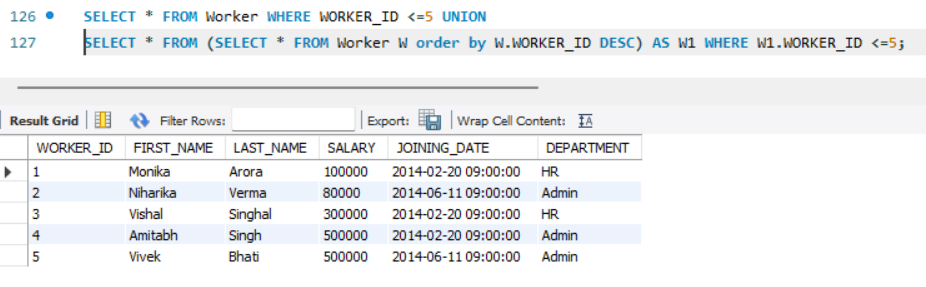
43.ANS:

Select \* from Worker where WORKER\_ID = (SELECT min(WORKER\_ID) from Worker);



44.ANS:

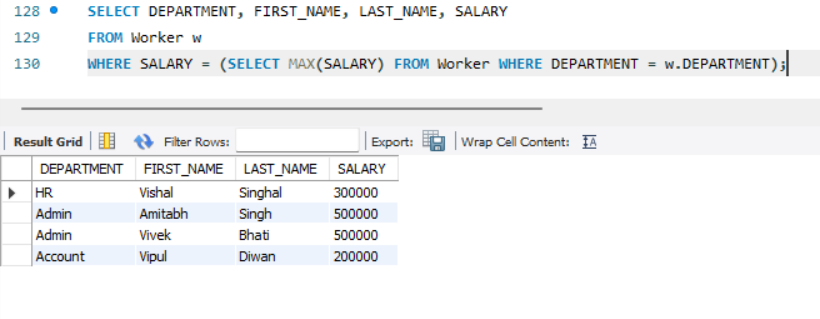
SELECT \* FROM Worker WHERE WORKER\_ID <=5 UNION SELECT \* FROM (SELECT \* FROM Worker W order by W.WORKER\_ID DESC) AS W1 WHERE W1.WORKER\_ID <=5;



45.ANS:

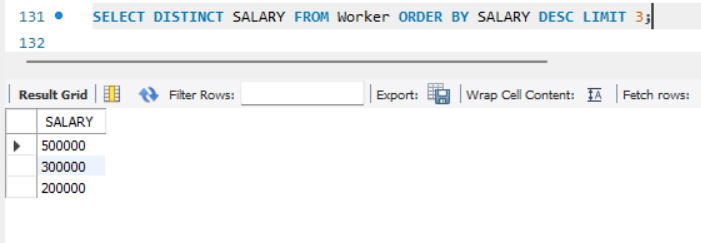
SELECT DEPARTMENT, FIRST\_NAME, LAST\_NAME, SALARY FROM Worker w

WHERE SALARY = (SELECT MAX(SALARY) FROM Worker WHERE DEPARTMENT = w.DEPARTMENT);



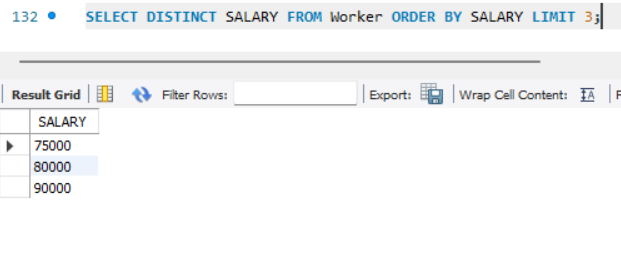
46.ANS:

SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 3;



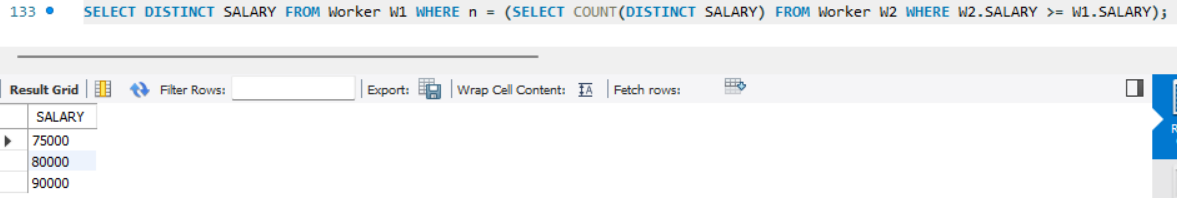
47.ANS:

SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY LIMIT 3;



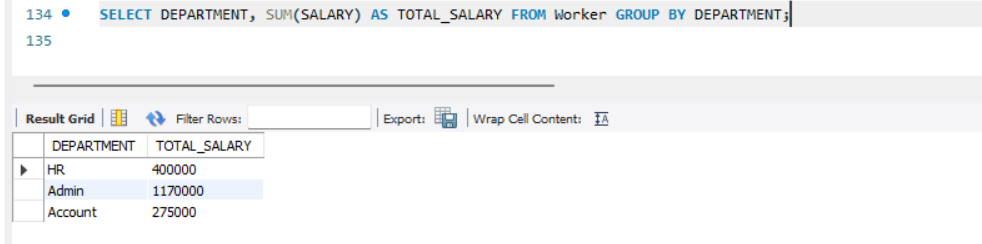
48.ANS:

SELECT DISTINCT SALARY FROM Worker W1 WHERE n = (SELECT COUNT(DISTINCT SALARY) FROM Worker W2 WHERE W2.SALARY >= W1.SALARY);



49.ANS:

SELECT DEPARTMENT, SUM(SALARY) AS TOTAL\_SALARY FROM Worker GROUP BY DEPARTMENT;



50.ANS:

SELECT FIRST\_NAME, SALARY from Worker WHERE SALARY=(SELECT max(SALARY) from Worker);

