SQL query assignment -1

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22BRS1105

1. SELECT UPPER(FIRST_NAME) FROM Worker;
2. SELECT DISTINCT DEPARTMENT FROM Worker;
3. SELECT LEFT(FIRST_NAME, 3) FROM Worker;
4. SELECT INSTR(FIRST_NAME, 'a') FROM Worker WHERE FIRST_NAME = 'Amitabh';
5. SELECT RTRIM(FIRST_NAME) AS FIRST_NAME FROM Worker;
6. SELECT LTRIM(DEPARTMENT) AS DEPARTMENT FROM Worker;
7. SELECT DISTINCT DEPARTMENT, LENGTH(DEPARTMENT) AS DEPARTMENT_LENGTH FROM Worker;
8. SELECT REPLACE(FIRST_NAME, 'a', 'A') AS FIRST_NAME FROM Worker;
9. SELECT CONCAT(FIRST_NAME, ' ', LAST_NAME) AS COMPLETE_NAME FROM Worker;
10. SELECT * FROM Worker ORDER BY FIRST_NAME ASC;
11. SELECT *FROM Worker ORDER BY FIRST_NAME ASC, DEPARTMENT DESC;
12. SELECT * FROM Worker WHERE FIRST_NAME IN ('Vipul', 'Satish');
13. SELECT * FROM Worker WHERE FIRST_NAME NOT IN ('Vipul', 'Satish');
14. SELECT * FROM Worker WHERE DEPARTMENT = 'Admin';
15. SELECT * FROM Worker WHERE FIRST_NAME LIKE '%a%';
16. SELECT * FROM Worker WHERE FIRST_NAME LIKE '%a';
17. SELECT * FROM Worker WHERE FIRST_NAME LIKE '_____h';
18. SELECT * FROM Worker WHERE SALARY BETWEEN 100000 AND 500000;
19. SELECT * FROM Worker WHERE JOINING_DATE BETWEEN '2014-02-01' AND '2014-02-28 23:59:59';
20. SELECT COUNT(*) AS Admin_Count FROM Worker WHERE DEPARTMENT = 'Admin';
21. SELECT FIRST_NAME, LAST_NAME FROM Worker WHERE SALARY BETWEEN 50000 AND 100000;
22. SELECT DEPARTMENT, COUNT(*) AS Worker_Count FROM Worker GROUP BY DEPARTMENT ORDER BY Worker Count DESC;
23. SELECT w.*FROM Worker w JOIN Title t ON w.WORKER_ID = t.WORKER_REF_ID WHERE t.WORKER_TITLE = 'Manager';
24. SELECT FIRST_NAME, LAST_NAME, COUNT(*) FROM Worker GROUP BY FIRST_NAME, LAST_NAME HAVING COUNT(*) > 1;
25. ROW_NUMBER()
26. WHERE row_num % 2 = 0;
27. SELECT Worker.* FROM Worker INNER JOIN Title ON Worker.WORKER_ID = Title.WORKER_REF_ID;
28. CREATE TABLE NewWorker AS SELECT * FROM Worker;
29. SELECT Worker.*FROM Worker LEFT JOIN Title ON Worker.WORKER_ID = Title.WORKER_REF_ID WHERE Title.WORKER_REF_ID IS NULL;
30. SELECT CURRENT_TIMESTAMP;
31. SELECT *FROM Worker LIMIT 10;
32. SELECT DISTINCT Salary FROM Worker ORDER BY Salary DESC LIMIT 4, 1;
33. SELECT Salary FROM Worker WHERE Salary NOT IN (SELECT DISTINCT Salary FROM Worker ORDER BY Salary DESC LIMIT 4) ORDER BY Salary DESC LIMIT 1;
34. SELECT FIRST_NAME, LAST_NAME, SALARY FROM Worker GROUP BY SALARY HAVING COUNT(*) > 1;
35. SELECT MAX(Salary) AS SecondHighestSalary FROM Worker WHERE Salary < (SELECT MAX(Salary)FROM Worker);
36. SELECT EmpID, FirstName, LastName FROM Employee WHERE EmpID = 123 UNION ALL SELECT EmpID, FirstName, LastName FROM Employee WHERE EmpID = 123;
37. SELECT * FROM Table1 INNER JOIN Table2 ON Table1.common_column = Table2.common_column;
38. SELECT * FROM Worker LIMIT (SELECT COUNT(*) FROM Worker) / 2;
39. SELECT DEPARTMENT, COUNT(*) AS deptlessthan 5 FROM WorkerGROUP BY DEPARTMENT HAVING COUNT(*) <
40. SELECT DEPARTMENT, COUNT(*) AS NumberOfWorkers FROM Worker GROUP BY DEPARTMENT;
41. SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 1;
42. SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 1;
43. SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 5;

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SELECT w.DEPARTMENT,
  w.FIRST_NAME,
w.LAST_NAME,
  w.SALARY
FROM
Worker w
INNER JOIN (SELECT DEPARTMENT, MAX(SALARY) AS max_salary FROM Worker GROUP BY DEPARTMENT) d ON
 w.DEPARTMENT = d.DEPARTMENT AND w.SALARY = d.max_salary;
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44.
45. SELECT * FROM Worker ORDER BY SALARY DESC LIMIT 3;
46. SELECT * FROM Worker ORDER BY SALARY LIMIT 3;
47. SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC | LIMIT (n-1), 1;
48. SELECT DEPARTMENT, SUM(SALARY) AS TOTAL_SALARY FROM Worker GROUP BY DEPARTMENT;
49. SELECT FIRST_NAME, LAST_NAME FROM Worker WHERE SALARY = (SELECT MAX(SALARY) FROM Worker