**ASSESSMENT-1**

**Name:** Allen joseph N

**Reg No:** 22BLC1179

1. SELECT FIRST\_NAME AS WORKER\_NAME FROM Worker;

2. SELECT UPPER(FIRST\_NAME) FROM Worker;

3. SELECT DISTINCT DEPARTMENT FROM Worker;

4. SELECT LEFT(FIRST\_NAME, 3) FROM Worker;

5. SELECT INSTR(FIRST\_NAME, 'a') FROM Worker WHERE FIRST\_NAME = 'Amitabh';

6. SELECT RTRIM(FIRST\_NAME) FROM Worker;

7. SELECT LTRIM(DEPARTMENT) FROM Worker;

8. SELECT DEPARTMENT, LENGTH(DEPARTMENT) FROM (SELECT DISTINCT DEPARTMENT FROM Worker) AS UniqueDepartments;

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

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

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

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

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

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

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

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

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

18. SELECT \* FROM Worker WHERE FIRST\_NAME LIKE '%h';

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

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

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

22. SELECT FIRST\_NAME FROM Worker WHERE SALARY BETWEEN 50000 AND 100000;

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

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

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

26. SELECT \* FROM Worker WHERE MOD(WORKER\_ID, 2) <> 0;

27. SELECT \* FROM Worker WHERE MOD(WORKER\_ID, 2) = 0;

28. CREATE TABLE WorkerClone AS SELECT \* FROM Worker;

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

30. SELECT \* FROM Worker WHERE WORKER\_ID NOT IN (SELECT WORKER\_ID FROM WorkerClone);

31. SELECT NOW();

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

33. SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 1 OFFSET 4;

34. SELECT SALARY FROM Worker W1 WHERE 4 = (SELECT COUNT(DISTINCT SALARY) FROM Worker W2 WHERE W2.SALARY > W1.SALARY);

35. SELECT \* FROM Worker W1 WHERE EXISTS (SELECT 1 FROM Worker W2 WHERE W1.SALARY = W2.SALARY AND W1.WORKER\_ID <> W2.WORKER\_ID);

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

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

38. SELECT \* FROM Worker W INNER JOIN WorkerClone WC ON W.WORKER\_ID = WC.WORKER\_ID;

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

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

41. SELECT DEPARTMENT, COUNT(\*) AS NumWorkers FROM Worker GROUP BY DEPARTMENT;

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

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

44. SELECT \* FROM Worker ORDER BY WORKER\_ID DESC LIMIT 5;

45. SELECT DEPARTMENT, FIRST\_NAME, LAST\_NAME FROM Worker W WHERE SALARY = (SELECT MAX(SALARY) FROM Worker W1 WHERE W1.DEPARTMENT = W.DEPARTMENT);

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

47. SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY ASC LIMIT 3;

48. SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 1 OFFSET n-1;

49. SELECT DEPARTMENT, SUM(SALARY) AS TotalSalary FROM Worker GROUP BY DEPARTMENT;

50. SELECT FIRST\_NAME, LAST\_NAME FROM Worker WHERE SALARY = (SELECT MAX(SALARY) FROM Worker);