

1) SELECT * FROM Emp WHERE DeptNo IN (10, 30);

2) SELECT DeptNo, COUNT(*) AS EmployeeCount
FROM Emp
GROUP BY DeptNo
HAVING COUNT(*) > 1;

3) SELECT * FROM Emp WHERE Ename LIKE 'S%';

4) SELECT * FROM Emp WHERE YEAR(GETDATE()) - YEAR(Hire_Date) > 2;

5) SELECT REPLACE(Ename, 'a', '#') FROM Emp;

6) SELECT e1.Ename AS Employee, e2.Ename AS Manager
FROM Emp e1
LEFT JOIN Emp e2 ON e1.Mgr = e2.EmpNo;

7) SELECT d.Dname, SUM(e.Sal)
FROM Emp e
JOIN Dept d ON e.DeptNo = d.DeptNo
GROUP BY d.Dname;

8) SELECT e.*, d.Dname, d.Loc
FROM Emp e
FULL JOIN Dept d ON e.DeptNo = d.DeptNo;

9) UPDATE Emp SET Sal = Sal * 1.10;

10) DELETE FROM Emp
WHERE DeptNo IN (SELECT DeptNo FROM Dept WHERE Loc = 'Chennai');

11) SELECT Ename, Sal + ISNULL(Commission, 0) AS GrossSalary FROM Emp;

12) ALTER TABLE Emp ALTER COLUMN Ename VARCHAR(250);

13) SELECT GETDATE();

14) CREATE TABLE STUDENT (
 StudentID INT PRIMARY KEY,
 Name VARCHAR(100),
 Age INT,
 Course VARCHAR(100),
 AdmissionDate DATE
);

15) SELECT COUNT(*) FROM Emp WHERE Sal > 10000;

16) SELECT MIN(Sal), MAX(Sal), AVG(Sal) FROM Emp;

17) SELECT d.Loc, COUNT(*)
FROM Emp e
JOIN Dept d ON e.DeptNo = d.DeptNo
GROUP BY d.Loc;

18) SELECT Ename FROM Emp ORDER BY Ename DESC;

19) SELECT * INTO EMP_BKP FROM Emp;

20) SELECT LEFT(Ename, 3) + CAST(Sal AS VARCHAR) FROM Emp;

21) SELECT * FROM Emp WHERE Ename LIKE 'S%';

22) SELECT e.* FROM Emp e
JOIN Dept d ON e.DeptNo = d.DeptNo
WHERE d.Loc = 'Bangalore';

23) SELECT * FROM Emp WHERE Ename LIKE '[A-K]%';

24) SELECT e.* FROM Emp e
JOIN Emp m ON e.Mgr = m.EmpNo
WHERE m.Ename = 'Stefen';

25) SELECT Mgr, COUNT(*)
FROM Emp
WHERE Mgr IS NOT NULL
GROUP BY Mgr
ORDER BY COUNT(*) DESC LIMIT 1;

26) SELECT * FROM Emp
WHERE Sal = (SELECT DISTINCT TOP 1 Sal
FROM Emp
WHERE Sal < (SELECT MAX(Sal) FROM Emp)
ORDER BY Sal DESC);

27) SELECT * FROM Emp WHERE EmpNo IN (SELECT DISTINCT Mgr FROM Emp
WHERE Mgr IS NOT NULL);

28) SELECT e.*, YEAR(GETDATE()) - YEAR(e.Hire_Date) AS Experience
FROM Emp e
WHERE EmpNo IN (SELECT DISTINCT Mgr FROM Emp WHERE Mgr IS NOT NULL);

29) SELECT e.* FROM Emp e
JOIN Dept d ON e.DeptNo = d.DeptNo
WHERE e.EmpNo IN (SELECT DISTINCT Mgr FROM Emp WHERE Mgr IS NOT NULL)
AND ISNULL(e.Commission, 0) < 1000
AND d.Loc = 'Delhi';

30) SELECT * FROM Emp
WHERE Hire_Date < (SELECT Hire_Date FROM Emp WHERE Ename = 'Martin');