

Assignment-1 :SQL

1. SELECT * FROM Employees
WHERE DeptNo IN (10, 30);
2. SELECT Dname, COUNT(*) FROM Dept
JOIN Employees
ON Dept.DeptNo = Employees.DeptNo
GROUP BY Dname
HAVING COUNT(*) > 1;
3. SELECT * FROM Employees WHERE Ename LIKE 'S%';
4. SELECT *
FROM emp
WHERE EXTRACT(YEAR FROM age(CURRENT_DATE,Hire_Date))>2;
5. SELECT Ename
REPLACE(Ename,'a','#')
FROM emp;
6. SELECT e1.Ename AS Employee_name, e2.Ename AS Manager_name
FROM Employees e1
LEFT JOIN Employees e2 ON e1.Mgr = e2.EmpNo;
7. SELECT dept.Dname,SUM(Employees.Sal) as Total_Salary
FROM dept
INNER JOIN Employees
ON dept.deptno =Employees.deptno
GROUP BY dept.DeptNO;

8. SELECT Employees.*,dept.Dname,dept.Loc

FROM Employees

LEFT JOIN dept

ON Employees.deptno =dept.deptno;

9. UPDATE Employees

SET Sal = Sal * 1.1;

10. DELETE FROM Employees

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

11. SELECT Ename, (Sal + Commission) as Gross Salary

FROM emp

12. ALTER TABLE emp

MODIFY Ename

varchar(250);

13. SELECT NOW() ;

14. CREATE TABLE Student(

id int NOT NULL AUTO_INCREMENT,

name varchar(100) NOT NULL,

Father_name varchar(100) NOT NULL,

Mother_name varchar(100) NOT NULL

Dept_name varchar(100) NOT NULL,

PRIMARY KEY (id);

15. SELECT COUNT(emp.Ename)

FROM emp

WHERE emp.Sal>10000;

16. SELECT MIN(Sal),MAX(Sal),AVG(Sal)

FROM emp;

17. SELECT dept.Loc as Location,COUNT(dept.Loc)

FROM dept

INNER JOIN emp

ON dept.deptno=emp.deptno

GROUP BY dept.DeptNO;

18. SELECT *

FROM emp

ORDER BY Ename DESC;

19. CREATE TABLE EMP_BKP LIKE EMP;

INSERT EMP_BKP SELECT * FROM emp;

20. SELECT CONCAT((SUBSTRING(Ename,1,3)),Sal) as name_salary

FROM emp;

21. SELECT emp.*

FROM emp

WHERE Ename LIKE 'S%';

22. SELECT *

FROM emp

INNER JOIN dept

ON emp.deptno =dept.deptno

WHERE dept.Loc=Bangalore;

23. SELECT emp.*

FROM emp

WHERE Ename LIKE '[A-K]%' ;

ORDER BY Ename;

24. SELECT *

FROM emp

INNER JOIN mgr

ON emp.Mgr = mgr.Mgr

WHERE mgr.name=Stefen;

25. SELECT m.emp_name as manager_name,count(*)

FROM emp w,

emp m

WHERE w.Mgr_id = m.EmpNo

GROUP BY m.Ename

HAVING count(*) =(SELECT MAX (mycount)

FROM

(SELECT COUNT(*) mycount

FROM emp

GROUP BY Mgr) a);

26. SELECT emp.*,dept.* from emp

INNER JOIN emp

ON dept.deptno=emp.deptno

WHERE emp.Sal IN(SELECT MAX(emp.Sal) FROM emp WHERE SALARY
<(SELECT MAX(emp.Sal) FROM emp);

27. SELECT m.*

FROM emp w,

emp m

WHERE w.Mgr_id = m.EmpNo

GROUP BY m.Ename;

28. SELECT m.*, age(CURRENT_DATE,Hire_Date) as experience

FROM emp w,

emp m

WHERE w.Mgr_id = m.EmpNo

GROUP BY m.Ename;

29. SELECT m.*

FROM emp w,

emp m

WHERE w.Mgr_id = m.EmpNo AND (commission < 1000) AND dept.Loc = 'Delhi'

GROUP BY m.Ename;

30. SELECT *

FROM emp w,

emp m

WHERE wE name='Martin'

AND w.hire_date < m.hire_date;

