ASSIGNMENT 4

1)Select employee details of dept number 10 or 30.

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

2)Write a query to fetch all the dept details with more than 1 Employee.

SELECT DeptNo, Dname, Loc FROM Dept WHERE DeptNo IN (SELECT DeptNo FROM Emp GROUP BY DeptNo HAVING COUNT(*) > 1);

3)Write a query to fetch employee details whose name starts with the letter "S".

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

4)Select Emp Details Whose experience is more than 2 years.

SELECT *FROM Emp WHERE DATEDIFF(YEAR,Hire_Date,GETDATE())>=2;

5)Write a SELECT statement to replace the char "a" with "#" in Employee Name (Ex: Sachin as S#chin).

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

6)Write a query to fetch employee name and his/her manager name.

SELECT e.Ename, m.Ename AS Manager_Name FROM Emp e LEFT JOIN Emp m ON e.Mgr = m.EmpNo;

7)Fetch Dept Name , Total Salry of the Dept.

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

8)Write a query to fetch ALL the employee details along with department name, department location, irrespective of employee existance in the department.

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

9)Write an update statement to increase the employee salary by 10.

UPDATE employees SET salary = salary * 1.1;

10)Write a statement to delete employees belong to Chennai location.

DELETE FROM employees WHERE location = 'Chennai';

11)Get Employee Name and gross salary (sal + comission).

SELECT name, (salary + commission) AS gross_salary FROM employees;

12)Increase the data length of the column Ename of Emp table from 100 to 250 using ALTER statement.

ALTER TABLE Emp MODIFY Ename VARCHAR(250);

13)Write query to get current datetime.

SELECT CURRENT_TIMESTAMP;

14)Write a statement to create STUDENT table, with related 5 columns.

CREATE TABLE STUDENT (ID INT PRIMARY KEY,NAME VARCHAR(50) NOT NULL,AGE INT, ADDRESS VARCHAR(100), GRADE FLOAT);

15)Write a query to fetch number of employees in who is getting salary more than 10000.

SELECT COUNT(*) as num_employees FROM employees WHERE salary > 10000;

16)Write a query to fetch minimum salary, maximum salary and average salary from emp table.

SELECT MIN(salary) as min_salary, MAX(salary) as max_salary, AVG(salary) as avg_salary FROM emp;

17)Write a query to fetch number of employees in each location.

SELECT location, COUNT(*) as num_employees FROM employees GROUP BY location;

18)Write a query to display emplyee names in descending order.

SELECT name FROM employees ORDER BY name DESC;

19)Write a statement to create a new table(EMP_BKP) from the existing EMP table.

CREATE TABLE EMP_BKP AS SELECT * FROM EMP;

20)Write a query to fetch first 3 characters from employee name appended with salary.

SELECT CONCAT(LEFT(name, 3), '-', salary) as employee_info FROM employees;

21)Get the details of the employees whose name starts with S.

SELECT * FROM employees WHERE name LIKE 'S%';

22)Get the details of the employees who works in Bangalore location.

SELECT * FROM employees WHERE location = 'Bangalore';

23)Write the query to get the employee details whose name started within any letter between A and K.

SELECT * FROM employees WHERE name LIKE '[A-K]%';

24)Write a query in SQL to display the employees whose manager name is Stefen.

starts with S SELECT * FROM employees WHERE manager_name = 'Stefen';

25)Write a query in SQL to list the name of the managers who is having maximum number of employees working under him.

SELECT manager_name, COUNT(*) AS employee_count FROM employees GROUP BY manager_name ORDER BY employee_count DESC LIMIT 1;

26)Write a query to display the employee details,department details and the manager details of the employee who has second highest salary.

SELECT e.name AS employee_name, e.salary AS employee_salary, d.name AS department_name, m.name AS manager_name

FROM employees e JOIN departments d ON e.department_id = d.id JOIN managers m ON d.manager_id = m.id WHERE e.salary = (SELECT DISTINCT salary FROM employees ORDER BY salary DESC LIMIT 1 OFFSET);

27)Write a query to list all details of all the managers.

SELECT *FROM managers;

28)Write a query to list the details and total experience of all the managers.

SELECT m.name AS manager_name,m.salary AS manager_salary, m.hire_date AS manager_hire_date,ROUND(DATEDIFF(CURDATE(),MIN(e.hire_date)) / 365, 2) AS total_experience_years FROM employees e JOIN departments d ON e.department_id = d.id JOIN managers m ON d.manager_id = m.id GROUP BY m.id ORDER BY total_experience_years DESC;

29)Write a query to list the employees who is manager and takes commission less than 1000 and works in Delhi.

SELECT name FROM employees WHERE is_manager = 1 AND commission < 1000 AND location = 'Delhi';

30)Write a query to display the details of employees who are senior to Martin.

SELECT name, hire_date, salary FROM employees WHERE hire_date < (SELECT hire_date FROM employees WHERE name = 'Martin');