**SQL Assignment**

**Tasks To Be Performed:**

1. Display the “FIRST\_NAME” from Employee table using the alias name

as Employee\_name.

SELECT First\_name AS "First Name" FROM Employee

2. Display “LAST\_NAME” from Employee table in upper case.

SELECT UPPER(Last\_name) FROM Employee

3. Display unique values of DEPARTMENT from EMPLOYEE table.

SELECT DISTINCT Department FROM Employee

4. Display the first three characters of LAST\_NAME from EMPLOYEE table.

SELECT SUBSTRING(Last\_name, 1, 3) FROM Employee

5. Display the unique values of DEPARTMENT from EMPLOYEE table and

prints its length.

SELECT department,len(department)as Department\_length FROM EMPLOYEE group by department

6. Display the FIRST\_NAME and LAST\_NAME from EMPLOYEE table into a

single column AS FULL\_NAME. a space char should separate them.

SELECT CONCAT(First\_name, ' ', Last\_name) AS FULL\_NAME FROM Employee

7. DISPLAY all EMPLOYEE details from the employee table

order by FIRST\_NAME Ascending.

SELECT \* FROM Employee ORDER BY First\_name ASC

8. Display all EMPLOYEE details order by FIRST\_NAME Ascending and DEPARTMENT Descending.

SELECT \* FROM Employee ORDER BY First\_name ASC, Department DESC

9. Display details for EMPLOYEE with the first name as “VEENA” and

“KARAN” from EMPLOYEE table.

select \* from employee where first\_name='VEENA' or first\_name='KARAN'

10. Display details of EMPLOYEE with DEPARTMENT name as “Admin”.

select \* from employee where Department='admin'

11. DISPLAY details of the EMPLOYEES whose FIRST\_NAME contains ‘V’.

SELECT \* FROM Employee WHERE First\_name LIKE '%V%'

12. DISPLAY details of the EMPLOYEES whose SALARY lies between

100000 and 500000.

SELECT \* FROM Employee WHERE Salary BETWEEN 100000 AND 500000

13. **Display details of the employees who have joined in Feb-2020.**

SELECT \* FROM Employee WHERE month(Joining\_Date) = month('2020-02-01')

14. **Display employee names with salaries >= 50000 and <= 100000.**

**SELECT first\_name,last\_name FROM Employee WHERE salary >= 50000 and salary <= 100000**

15. **DISPLAY details of the EMPLOYEES who are also Managers.**

**SELECT \* FROM Employee WHERE Employee\_id IN (SELECT Employee\_ref\_id FROM**

**Emp\_title WHERE Employee\_title = 'Manager')**

16**. DISPLAY duplicate records having matching data in some fields of a table**.

SELECT Employee\_ref\_id, Bonus\_date

FROM Bonus

GROUP BY Employee\_ref\_id, Bonus\_date

HAVING COUNT(\*) > 1

**17. Display only odd rows from a table.**

**SELECT \* FROM Employee WHERE Employee\_id % 2 = 1**

18. Clone a new table from EMPLOYEE table.

**SELECT \* INTO employee\_clone FROM employee**

19. DISPLAY the TOP 2 highest salary from a table.

**select top(2) salary from employee order by salary desc**

20. DISPLAY the list of employees with the same salary.

SELECT salary, COUNT(salary)

FROM employee

GROUP BY salary

HAVING COUNT(salary) > 1

21 Display the second highest salary from a table.

**Select Max(Salary) as Salary from Employee where Salary**

**<(select MAX(Salary) from Employee)**

22. Display the first 50% records from a table.

**select top 50 percent \* from Employee**

23. Display the departments that have less than 4 people in it.

**SELECT Department, COUNT(\*) AS Number\_of\_Employees**

**FROM Employee**

**GROUP BY Department**

**HAVING COUNT(\*) < 4**

24. Display all departments along with the number of people in there.

**SELECT Department, COUNT(department) AS Number\_of\_Employees**

**FROM Employee**

**GROUP BY Department**

25. Display the name of employees having the highest salary in each department.

**SELECT e.first\_name,**

**e.department,e.Salary**

**FROM employee e**

**WHERE e.salary IN**

**(SELECT max(salary)**

**FROM employee**

**GROUP BY department)**

26. Display the names of employees who earn the highest salary.

**SELECT top(3) e.first\_name,**

**e.department,e.Salary**

**FROM employee e**

**WHERE salary IN**

**(SELECT MAX(Salary) FROM Employee GROUP BY department**

**)**

27. Display the average salaries for each department

**SELECT DEPARTMENT,AVG(SALARY) AS**

**AVERAGE\_SALARY FROM employee GROUP BY DEPARTMENT**

28. display the name of the employee who has got maximum bonus

**SELECT First\_name, Last\_name, Bonus\_amount**

**FROM Employee, Bonus**

**WHERE Employee.Employee\_id = Bonus.Employee\_ref\_id**

**AND Bonus\_amount = (SELECT MAX(Bonus\_amount) FROM Bonus)**

29. Display the first name and title of all the employees

**SELECT First\_name, Employee\_title**

**FROM Employee, Emp\_title**

**WHERE Employee.Employee\_id = Emp\_title.Employee\_ref\_id**