

VISHNU TYAGI
2CSE9
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PROGRAM 5 : AGGREGATE & STRING FUNCTIONS (EMPLOYEE TABLE)

1. Find the total number of employees working in the company

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT COUNT(*) AS total_employees FROM employee;
+-----+
| total_employees |
+-----+
|             14 |
+-----+
1 row in set (0.002 sec)
```

2. Find the total salary being paid to all employees

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT SUM(sal) AS total_salary FROM employee;
+-----+
| total_salary |
+-----+
|          31518 |
+-----+
1 row in set (0.006 sec)
```

3. Maximum salary from employee table

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT MAX(sal) AS max_salary FROM employee;
+-----+
| max_salary |
+-----+
|          5500 |
+-----+
1 row in set (0.002 sec)
```

4. Minimum salary from employee table

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT MIN(sal) AS min_salary FROM employee;
+-----+
| min_salary |
+-----+
|           880 |
+-----+
1 row in set (0.001 sec)
```

5. Minimum salary from employee table

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT AVG(sal) AS avg_salary FROM employee;
+-----+
| avg_salary |
+-----+
|    2251.2857 |
+-----+
1 row in set (0.006 sec)
```

6. Maximum salary being paid to clerks

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT MAX(sal) AS max_clerk_salary FROM employee
[   -> WHERE job = 'CLERK';
+-----+
| max_clerk_salary |
+-----+
|           1430 |
+-----+
1 row in set (0.002 sec)
```

7. Maximum salary being paid in department no 20

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT MAX(sal) AS max_dept20_salary FROM employee
[   -> WHERE deptno = 20;
+-----+
| max_dept20_salary |
+-----+
|           5500 |
+-----+
1 row in set (0.003 sec)
```

8. Minimum salary paid to any salesman

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT MIN(sal) AS min_salesman_salary FROM employee
[   -> WHERE job = 'SALESMAN';
+-----+
| min_salesman_salary |
+-----+
|           1250 |
+-----+
1 row in set (0.001 sec)
```

9. Average salary drawn by managers

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT AVG(sal) AS avg_manager_salary FROM employee
[   -> WHERE job = 'MANAGER';
+-----+
| avg_manager_salary |
+-----+
|       3034.3333 |
+-----+
1 row in set (0.001 sec)
```

10. Total salary drawn by analyst working in dept 40

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT SUM(sal) AS total_analyst_salary FROM employee
[   -> WHERE job = 'ANALYST' AND deptno = 40;
+-----+
| total_analyst_salary |
+-----+
|           3300 |
+-----+
1 row in set (0.002 sec)
```

11. Display employee names in UPPERCASE

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT UPPER(ename)
-> FROM employee;
+-----+
| UPPER(ename) |
+-----+
| SMITH        |
| ALLEN        |
| WARD         |
| JONES        |
| MARTIN       |
| BLAKE        |
| CLARK        |
| SCOTT        |
| KING         |
| TURNER       |
| ADAMS        |
| JAMES        |
| FORD         |
| MILLER       |
+-----+
14 rows in set (0.003 sec)
```

12. Display employee names in LOWERCASE

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT LOWER(ename) FROM employee;
+-----+
| LOWER(ename) |
+-----+
| smith        |
| allen        |
| ward         |
| jones        |
| martin       |
| blake        |
| clark        |
| scott        |
| king         |
| turner       |
| adams        |
| james        |
| ford         |
| miller       |
+-----+
14 rows in set (0.001 sec)
```

13. Display employee names in Proper Case

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT CONCAT(
->     UPPER(LEFT(ename,1)),
->     LOWER(SUBSTRING(ename,2))
-> ) AS Proper_Name FROM employee;
+-----+
| Proper_Name |
+-----+
| Smith       |
| Allen       |
| Ward        |
| Jones       |
| Martin      |
| Blake       |
| Clark       |
| Scott       |
| King        |
| Turner      |
| Adams       |
| James       |
| Ford        |
| Miller      |
+-----+
14 rows in set (0.003 sec)
```

14. Display the length of your name

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT LENGTH('MOHAMMAD TASIN') AS name_length;
+-----+
| name_length |
+-----+
|          14 |
+-----+
1 row in set (0.001 sec)
```

15. Display the length of all employee names

```
[MySQL [Vishnu_Tyagi_2CSE9]> SELECT ename, LENGTH(ename) AS name_length FROM employee;
+-----+-----+
| ename | name_length |
+-----+-----+
| SMITH |          5 |
| ALLEN |          5 |
| WARD  |          4 |
| JONES |          5 |
| MARTIN |          6 |
| BLAKE |          5 |
| CLARK |          5 |
| SCOTT |          5 |
| KING  |          4 |
| TURNER |          6 |
| ADAMS |          5 |
| JAMES |          5 |
| FORD  |          4 |
| MILLER |          6 |
+-----+-----+
14 rows in set (0.001 sec)
```