

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

- 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)
```

- 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)
```

- 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)
```

- 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)
```

- 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)
```