EXPERIMENT - 3

- 3. Queries using aggregate functions(COUNT,AVG,MIN,MAX,SUM),Group by, Order by. Employee (E_id, E_name, Age, Salary)
- 1. Create Employee table containing all Records E_id, E_name, Age, Salary.
- 2. Count number of employee names from employee table
- 3. Find the Maximum age from employee table.
- 4. Find the Minimum age from employee table.
- 5. Find salaries of employee in Ascending Order.
- 6. Find grouped salaries of employees.
 - 1. Create Employee table containing all Records E_id, E_name, Age, Salary.

```
CREATE TABLE Employee (
    E_id INT PRIMARY KEY,
    E_name VARCHAR(255),
    Age INT,
    Salary DECIMAL(10, 2)
);
```

DESC Employee;

```
Field
         Type
                            Null
                                   Key
                                          Default
         int
                                   PRI
                                          NULL
                           NO
         varchar (255)
                            YES
                            YES
                                          NULL
         decimal(10,2)
                           YES
                                          NULL
```

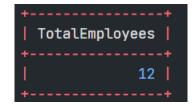
EXPERIMENT - 3

SELECT * FROM Employee;

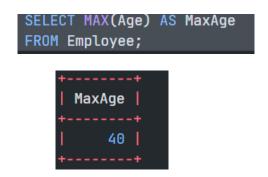
```
E_name
E_id |
                        Age
                               Salary
       Samarth
                               50000.00
                          25 | 45000.00
   2 |
       Ramesh Kumar
   3 | Seema Banu
                          35 | 60000.00
   4 | Dennis Anil
                          28 | 52000.00
                          32 | 58000.00
   5 | Rehman Khan
                          40 | 70000.00
   6 | Pavan Gowda
   7 | Shruthi Bhat
                          27 | 48000.00
  8 | Sandesh Yadav
                         29 | 51000.00
  9 | Vikram Acharya |
                          33 | 62000.00
 10 | Praveen Bellad |
                          26 | 46000.00
 11 | Sophia Mary
                          31 | 55000.00
  12
      Darshan Desai
                          34 63000.00
```

2. Count number of employee names from employee table.

```
SELECT COUNT(E_name) AS TotalEmployees FROM Employee;
```



3. Find the Maximum age from employee table.



4. Find the Minimum age from employee table.



5. Find salaries of employee in Ascending Order.

```
SELECT E_name, Salary FROM Employee ORDER BY Salary ASC;
```

```
E_name
                Salary
              45000.00
Ramesh Kumar
Praveen Bellad | 46000.00
Shruthi Bhat
              48000.00
Samarth
              50000.00
Dennis Anil
              52000.00
Sandesh Yadav
              52000.00
Sophia Mary
              55000.00
Rehman Khan
              58000.00
Seema Banu
              62000.00
Vikram Acharya | 62000.00
Darshan Desai
              63000.00
Pavan Gowda
              70000.00
```

6. Find grouped salaries of employees.

```
SELECT Salary, COUNT(*) AS EmployeeCount FROM Employee
GROUP BY Salary;
```

- COUNT(E_name) counts the number of non-NULL values in the E_name column.
- MAX(Age) finds the maximum age among the employees.
- MIN(Age) finds the minimum age among the employees.

EXPERIMENT - 3

- ORDER BY Salary ASC sorts the employees based on their salaries in ascending order.
- GROUP BY Salary groups employees by their salaries and counts the number of employees for each salary.