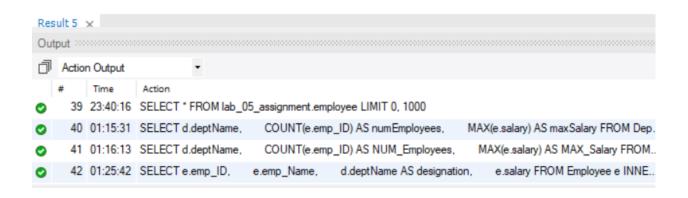
LAB # 05

MUHAMMAD ANAS

(CS221004)

```
44
 45
 46
 47 •
        SELECT d.deptName,
 48
                COUNT(e.emp_ID) AS NUM_Employees,
                MAX(e.salary) AS MAX_Salary
  49
  50
         FROM Department d
         LEFT JOIN Employee e ON d.deptID = e.deptID
 51
         GROUP BY d.deptName;
 52
  53
<
                                          Export: Wrap Cell Content: IA
deptName NUM_Employees MAX_Salary
                           NULL
   CS
             0
   MS
            2
                           60000.00
                           52000.00
   ME
                           55000.00
   AI
           2
   BBA
Result 4 ×
Output :
Action Output
               Action
                                                                                                 Message
38 23:40:08 SELECT * FROM lab_05_assignment.department LIMIT 0, 1000
                                                                                                 7 row(s) returned
  39 23:40:16 SELECT * FROM lab_05_assignment.employee LIMIT 0, 1000
                                                                                                 6 row(s) returned
40 01:15:31 SELECT d.deptName, COUNT(e.emp_ID) AS numEmployees, MAX(e.salary) AS maxSalary FROM Dep... 7 row(s) returned
   41 01:16:13 SELECT d.deptName, COUNT(e.emp_ID) AS NUM_Employees,
                                                                  MAX(e.salary) AS MAX_Salary FROM... 7 row(s) returned
```

```
54
         -- 2
 55
 56 •
         SELECT e.emp_ID,
 57
                e.emp_Name,
                d.deptName AS designation,
 58
 59
                e.salary
         FROM Employee e
 60
         INNER JOIN Department d ON e.deptID = d.deptID
 61
         ORDER BY e.salary
 62
         LIMIT 1;
 63
 64
                                           Export: Wrap Cell Content: 🔀 Fetch rows:
Result Grid
             Filter Rows:
                                 salary
   emp_ID
           emp_Name
                      designation
  2
           Bilal
                                 45000.00
                     ME
```



```
65
          -- 3
  66
          SELECT d.deptName AS designation,
  67 •
  68
                  e.emp_Name AS employeeName
  69
          FROM Department d
          LEFT JOIN Employee e ON d.deptID = e.deptID
  70
  71
          ORDER BY d.deptName;
  72
  73
                                              Export: Wrap Cell Content: IA
designation employeeName
               NULL
▶ ACF
   ΑI
               Anas
   ΑI
               Faizan
   AML
               NULL
               NULL
   BBA
Result 17 ×
Output ::
Action Output
      Time
                 Action
                                                                                                         Message
     51 01:37:45 SELECT d.deptName AS department,
                                                 e.emp_Name AS employeeName FROM Department d LEFT JOIN E... 10 row(s) returned
    52 01:38:31 SELECT d.deptName AS Department,
                                                  IFNULL(e.emp_Name, 'NULL') AS Employee_Name FROM Departm... 10 row(s) returned
     53 01:38:42 SELECT d.deptName AS department,
                                                 e.emp_Name AS employeeName FROM Department d LEFT JOIN E... 10 row(s) returned
  54 01:39:45 SELECT d.deptName AS designation,
                                                 e.emp_Name AS employeeName FROM Department d LEFT JOIN E... 10 row(s) returned
```

```
72
 73
 74
 75 •
         SELECT d.deptName AS country,
                COUNT(d.deptID) AS Total_Depart
 76
 77
         FROM Department d
 78
         GROUP BY d.deptName
         HAVING COUNT(d.deptID) > 2;
 79
 80
                                          Export: Wrap Cell Content: IA
Result Grid
              Filter Rows:
   country
           Total_Depart
```

