

Ex. No.: 6

Date:

SELECT with various clause – GROUP BY, HAVING, ORDER BY

AIM:

To view the records from the tables using SELECT commands with Group By, Having, Order By

Questions:

GROUP BY - HAVING

1. How many students are registered for each course? Display the course description and the number of students registered in each course.
2. How many courses did each student register for? Use Assessment table.

ORDER BY

1. Retrieve Name, Gender, MobileNo of all the students in ascending order of RegNo.
2. List the faculty members in the order of older faculty first.

OUTPUTS:

1)

```
mysql> select coursedesc, count(coursedesc) from student group by coursedesc;
+-----+-----+
| coursedesc | count(coursedesc) |
+-----+-----+
| sql       | 2                 |
| java      | 1                 |
| python    | 1                 |
| php       | 1                 |
+-----+-----+
4 rows in set (0.00 sec)
```

2)

```
mysql> select name, count(coursedesc) from student group by name;
+-----+-----+
| name      | count(coursedesc) |
+-----+-----+
| jasmine   | 1                 |
| karthika  | 1                 |
| prem      | 1                 |
| mahith    | 1                 |
| pavan     | 1                 |
+-----+-----+
5 rows in set (0.00 sec)
```

3)

```
mysql> select name,gender,mobilen from student order by regno asc;
+-----+-----+
| name   | gender | mobilen |
+-----+-----+
| jasmine | F      | 789645322 |
| karthika | F      | 630931332 |
| prem   | M      | 782441947 |
| mahith  | M      | 630439357 |
| pavan   | M      | 630453224 |
+-----+-----+
5 rows in set (0.00 sec)
```

4)

```
mysql> select FacName, DOB from faculty order by DOB asc;
+-----+-----+
| FacName | DOB      |
+-----+-----+
| siddu   | 1983-05-01 |
| mahesh  | 1990-09-25 |
| tharun  | 1992-06-29 |
+-----+-----+
3 rows in set (0.00 sec)
```

RESULT:

The records from the tables are displayed using SELECT commands with GROUP BY, HAVING and ORDER BY.