

Ex. No.: 7

Date:

SubQuery& Correlated Query

AIM:

To perform subquery and correlated query on the given relation.

Questions:

Sub-Query and Correlated Sub-Query:

1. Which of the student's score is greater than the avg score?
2. Which of the students' have written more than one assessment test?
3. Which faculty has joined recently and when?
4. List the course and score of assessments that have the value more than the average score each Course

OUTPUTS:

1)

```
mysql> select name, scores from student where scores>(select avg(scores) from student);
+-----+-----+
| name   | scores |
+-----+-----+
| jasmine |      87 |
| prem   |      90 |
| mahith  |      89 |
+-----+-----+
3 rows in set (0.01 sec)
```

2)

```
mysql> select name, scores from student where scores>"1";
+-----+-----+
| name   | scores |
+-----+-----+
| jasmine |      87 |
| karthika |      70 |
| prem   |      90 |
| mahith  |      89 |
| pavan  |      81 |
+-----+-----+
5 rows in set (0.00 sec)
```

3)

```
mysql> select * from faculty where DOJ=(select max(DOJ) from faculty);
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Facno | FacName | Gender | DOB       | DOJ       | MobileNo | DeptNo | Resigned | age |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 4     | tharun  | M      | 1992-06-29 | 2013-09-15 | 283022382 | c004   | no       | 32 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

4)

```
mysql> select coursedesc, scores from student where scores>(select avg(scores) from student);
+-----+-----+
| coursedesc | scores |
+-----+-----+
| sql       | 87     |
| python    | 90     |
| sql       | 89     |
+-----+-----+
3 rows in set (0.00 sec)
```

RESULT:

The records from the tables are displayed using Sub-Query and Correlated Sub-Query.