

Ex.No : 7

SubQuery& Correlated Query

QUESTIONS:

Sub-Query and Correlated Sub-Query:

1. Which of the student's score is greater than the avg score?

```
mysql> select *from student where score>(select avg(score) from student);
+-----+-----+-----+-----+-----+-----+-----+-----+
| regno | name  | gender | dob       | mobileno | city    | score | courseno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 123   | surya | m      | 2003-02-03 | 701012333 | ambattur | 95    | cs2      |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

2. Display the course description of the course in the descending order of the no. of students registered.

```
mysql> select coursedesc from course where courseno in(select courseno from student group by courseno having count(*)>'cs2');
+-----+
| coursedesc |
+-----+
| dbms       |
| cn         |
+-----+
2 rows in set, 1 warning (0.00 sec)
```

3. Which faculty has joined recently.

```
mysql> select facno from faculty where doj=(select max(doj) from faculty);
+-----+
| facno |
+-----+
| 2      |
+-----+
1 row in set (0.00 sec)
```

4. List the course and score of assessments that have the value more than the average score each Course

```
mysql> select courseno from student where score>(select avg(score) from student);
+-----+
| courseno |
+-----+
| cs2      |
+-----+
1 row in set (0.00 sec)
```