

Ex. No. : 5

Date:

## **SELECT with various clause – BETWEEN, IN, Aggregate function**

Questions:

- 1) Find the average mark of “C002”.

```
mysql> select course from course;
ERROR 1054 (42S22): Unknown column 'course' in 'field list'
mysql> select * from course;
```

courseno	regno	coursedesc	scores
C001	191811306	mathematics	93
C001	191811307	mathematics	80
C002	191811306	OOAD	75
C002	191811307	OOAD	85
C003	191811306	DBMS	91
C003	191811307	DBMS	93

```
6 rows in set (0.00 sec)
```

1. List the maximum, minimum mark for “C021”

```
mysql> select courseno from course where scores between 50 and 80;
```

courseno
C001
C002

```
2 rows in set (0.00 sec)
```

2. List the maximum, minimum, average mark for each subject in 5<sup>th</sup> semester

```
mysql> select max(scores),min(scores),avg(scores) from course;
+-----+-----+-----+
| max(scores) | min(scores) | avg(scores) |
+-----+-----+-----+
|          93 |          75 |      86.1667 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

3. List the name of the courses and average mark of each courses.

```
mysql> select avg(scores) from course where courseno like 'C00%';
+-----+
| avg(scores) |
+-----+
|      68.2000 |
+-----+
```

4. Calculate the sum of all the scores.

```
mysql> select sum(scores) from course;
+-----+
| sum(scores) |
+-----+
|          517 |
+-----+
1 row in set (0.00 sec)
```

5. How many students are registered for each course? Display the course description and the number of students registered in each course.

```
mysql> select coursedesc,count(coursetype) from course;
+-----+-----+
| coursedesc | count(coursetype) |
+-----+-----+
| mathematics | 5 |
+-----+-----+
1 row in set (0.00 sec)
```

6. How many courses did each student register for? Use Assessment table.

```
mysql> select courseno,coursedesc,count(regno) from course where regno like '191811%';
+-----+-----+-----+
| courseno | coursedesc | count(regno) |
+-----+-----+-----+
| C001     | mathematics | 6 |
+-----+-----+-----+
1 row in set (0.00 sec)
```