

Ex. No. : 5

Date:

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

### **AIM:**

To view the records from the tables using SELECT commands with BETWEEN, IN, Aggregate functions.

### **Questions:**

#### **IN & BETWEEN**

1. List the type of the courses “Statistics” and “Programming”
2. The instructor wants to know the CourseNo whose scores are in the range 50 to 80

#### **AGGREGATE**

1. Find the average mark of “C002”.
2. List the maximum, minimum mark for “C021”
3. List the maximum, minimum, average mark for each subject in 5<sup>th</sup> semester
4. List the name of the courses and average mark of each courses.
5. Calculate the sum of all the scores.
6. How many students are registered for each course? Display the course description and the number of students registered in each course.
7. How many courses did each student register for? Use Assessment table.

### **OUTPUTS:**

1)

```
mysql> select avg(C002) from student;
+-----+
| avg(C002) |
+-----+
| 83.4000 |
+-----+
1 row in set (0.01 sec)
```

2)

```
mysql> select min(C021),max(C021) from student;
+-----+-----+
| min(C021) | max(C021) |
+-----+-----+
| 75 | 95 |
+-----+-----+
1 row in set (0.00 sec)
```

3)

```
mysql> select min(scores),max(scores),avg(scores) from student where semno=5;
+-----+-----+-----+
| min(scores) | max(scores) | avg(scores) |
+-----+-----+-----+
|          70 |          90 |      83.4000 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

4)

5)

```
mysql> select sum(scores) from student;
+-----+
| sum(scores) |
+-----+
|          417 |
+-----+
1 row in set (0.00 sec)
```

6)

7)

## RESULT:

The records from the tables are displayed using SELECT commands with WHERE Clause and Pattern matching.