**Ex. No. : 5**

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

**Questions:**

**QUESTIONS:**

**IN & BETWEEN**

1. List the type of the courses “DBMS” and “ds”

mysql> select coursedesc,coursetype from course where coursedesc in('dbms','ds');

+------------+------------+

| coursedesc | coursetype |

+------------+------------+

| dbms | c |

| ds | c |

+------------+------------+

2 rows in set (0.04 sec)

1. The instructor wants to know the CourseNos whose scores are in the range 50

to 80

mysql> select courseno from student where score between 50 and 80;

+----------+

| courseno |

+----------+

| c2 |

| c2 |

+----------+

2 rows in set (0.00 sec)

**AGGREGATE**

1.Find the average mark of “C2”.

mysql> select courseno,avg(score) from student where courseno='c2' group by courseno;

+----------+------------+

| courseno | avg(score) |

+----------+------------+

| c2 | 72.0000 |

+----------+------------+

1 row in set (0.00 sec)

2.List the maximum, minimum mark for “C1”

mysql> select courseno,min(score),max(score) from student group by courseno;

+----------+------------+------------+

| courseno | min(score) | max(score) |

+----------+------------+------------+

| c1 | 45 | 95 |

| c2 | 65 | 79 |

+----------+------------+------------+

2 rows in set (0.00 sec)

3.List the no of faculties in each department

mysql> select deptno,count(\*) from faculty group by deptno;

+--------+----------+

| deptno | count(\*) |

+--------+----------+

| d1 | 2 |

| d2 | 2 |

+--------+----------+

2 rows in set (0.00 sec)

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

mysql> select courseno,avg(score) from student group by courseno;

+----------+------------+

| courseno | avg(score) |

+----------+------------+

| c1 | 69.0000 |

| c2 | 72.0000 |

+----------+------------+

2 rows in set (0.00 sec)

5.Calculate the sum of all the scores.

mysql> select sum(score) from student;

+------------+

| sum(score) |

+------------+

| 351 |

+------------+

1 row in set (0.00 sec)

6.How many students are registered for each course

mysql> select courseno,count(\*) from student group by courseno;

+----------+----------+

| courseno | count(\*) |

+----------+----------+

| c1 | 3 |

| c2 | 2 |

+----------+----------+

2 rows in set (0.00 sec)

7.Display the sum of salaries in each department.

mysql> select deptno,sum(salary) from faculty group by deptno;

+--------+-------------+

| deptno | sum(salary) |

+--------+-------------+

| d1 | 12987 |

| d2 | 146578 |

+--------+-------------+

2 rows in set (0.00 sec)