**NAME: Maddi sai Manjunatha**

**REGNO:** 192111458

**COURSE CODE:** CSA0517

**DATABASE MANAGEMENT SYSTEMS**

**LAB ACTIVITY-7,8**

**Ex.No : 7**

**SubQuery& Correlated Query**

**QUESTIONS:**

**Sub-Query and Correlated Sub-Query:**

1. **Which of the student’s score is greater than the average score?**

**CODE:**

mysql> select \* from student where score>(select avg(score) from student);

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

| regno | name | gender | dob | mobileno | city | courseno | score |

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

| 123 | mahesh | m | 2004-06-23 | 1923456778 | vijayawada | c1 | 95 |

| 133 | babu | m | 1975-08-09 | 1923456789 | tenali | c1 | 99 |

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

2 rows in set (0.01 sec)

1. **Display the course description of the course which is having more than 2 students.**

**CODE:**

mysql> select coursedesc from course where courseno in(select courseno from student group by courseno having count(\*)>2);

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

| coursedesc |

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

| database |

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

1 row in set (0.00 sec)

1. **Display the course description of the course which is having less no of students.**

**CODE:**

mysql> select facno from faculty where doj=(select max(doj) from faculty);

+-------+

| facno |

+-------+

| f1 |

+-------+

1 row in set (0.00 sec)

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

**CODE:**

mysql> select courseno from student where score>(select avg(score) from student);

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

| courseno |

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

| c1 |

| c1 |

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

2 rows in set (0.00 sec)

**Ex.No : 8**

**Joins – EquiJoin, InnerJoin, OuterJoin**

**QUESTIONS**:

1. **List the departments where the faculty members are working.**

**CODE:**

mysql> select facno, deptname from faculty, department where faculty.deptno=department.deptno;

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

| facno | deptname |

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

| f1 | dbms |

| f3 | dbms |

| f2 | dbms |

| f4 | dbms |

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

4 rows in set (0.01 sec)

1. **ind the course and student details of all the courses even through no students assigned for the course.**

**CODE:**

mysql> select \* from course left join student on course.courseno=student.courseno;

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

| courseno | coursedesc | coursetype | semno | hallno | facno | regno | name | gender | dob | mobileno | city | courseno | score |

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

| c1 | database | a | x | 1525 | 1234 | 123 | mahesh | m | 2004-06-23 | 1923456778 | vijayawada | c1 | 95 |

| c1 | database | a | x | 1525 | 1234 | 133 | babu | m | 1975-08-09 | 1923456789 | tenali | c1 | 99 |

| c1 | database | a | x | 1525 | 1234 | 163 | balaji | m | 2004-07-02 | 1923452129 | benglore | c1 | 49 |

| c2 | dbms | c | 2 | 3 | f2 | 132 | manju | m | 2003-08-23 | 1246657654 | cpeta | c2 | 65 |

| c2 | dbms | c | 2 | 3 | f2 | 143 | kajal | f | 1988-03-06 | 1923456729 | chennai | c2 | 59 |

| c3 | ds | c | 1 | 4 | f3 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| c4 | networks | c | 3 | 5 | f4 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

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

7 rows in set (0.01 sec)