**NAME: Maddi Sai Manjunatha**

**REGNO:** 192111458

**COURSE CODE:** CSA0517

**DATABASE MANAGEMENT SYSTEMS**

**LAB ACTIVITY-9,10**

**Ex.No : 9**

**VIEW, INDEX, SEQUENCE**

**Question:**

1. **Create a view with name ‘std\_view’ using STUDENT table which holds the value of register number, name and DOB of student.**

**CODE:**

mysql> create view std\_view as select regno,name,dob from student;

Query OK, 0 rows affected (0.02 sec)

mysql> select \* from std\_view;;

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

| regno | name | dob |

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

| 123 | mahesh | 2004-06-23 |

| 132 | manju | 2003-08-23 |

| 133 | babu | 1975-08-09 |

| 143 | kajal | 1988-03-06 |

| 163 | balaji | 2004-07-02 |

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

5 rows in set (0.01 sec)

1. **Create an index on courseno of studen**t **and analyze the performance.**

**CODE:**

mysql> create index ind1 on student(courseno);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from student where courseno='c1';

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

| 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 |

| 163 | balaji | m | 2004-07-02 | 1923452129 | benglore | c1 | 49 |

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

3 rows in set (0.00 sec)

mysql> EXPLAIN select \* from student where courseno='c1';

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

| id | select\_type | table | type | possible\_keys | key | key\_len | ref | rows | Extra |

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

| 1 | SIMPLE | student | ALL | ind1 | NULL | NULL | NULL | 5 | Using where |

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

1 row in set (0.01 sec)

1. **Create a example sequence .**

**CODE:**

mysql> create table empl(eno integer(3) auto\_increment primary key, ename varchar(20));

Query OK, 0 rows affected (0.22 sec)

mysql> insert into empl(ename)values('krishna');

Query OK, 1 row affected (0.02 sec)

mysql> insert into empl(ename)values('shwethaa');

Query OK, 1 row affected (0.01 sec)

mysql> insert into empl(ename)values('sai');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from empl;

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

| eno | ename |

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

| 1 | krishna |

| 2 | shwethaa |

| 3 | sai |

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

3 rows in set (0.00 sec)