**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.

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

Query OK, 0 rows affected (0.02 sec)

mysql> select \* from std\_view;

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

| reg\_no | name | dob |

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

| 191711222 | keerthi | 2001-01-17 |

| 191711306 | vasantha | 2005-02-22 |

| 191711342 | varshan | 2004-04-03 |

| 192211012 | ram | 2002-10-05 |

| 192211013 | sameera | 2003-11-09 |

| 192211016 | reshma | 2001-07-11 |

| 192211021 | raama | 2000-12-12 |

| 197123458 | gans | 1997-08-09 |

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

8 rows in set (0.02 sec)

2. create an index on course\_no of students and analyse the performance.

mysql> create index ind1 on student(course\_no);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from student where course\_no='C001';

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

| reg\_no | name | gender | dob | mobile\_no | city | course\_no | score |

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

| 191711342 | varshan | m | 2004-04-03 | 1234567899 | bangalore | C001 | 65 |

| 192211013 | sameera | f | 2003-11-09 | 9087654321 | chennai | C001 | 79 |

| 197123458 | gans | m | 1997-08-09 | 8957612345 | trichy | C001 | 67 |

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

3 rows in set (0.01 sec)

mysql> EXPLAIN select \* from student where course\_no='C001';

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

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

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

| 1 | SIMPLE | student | ref | ind1 | ind1 | 7 | const | 3 | Using where |

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

1 row in set (0.00 sec)

3.create a example sequence.

mysql> create table emp1(eno integer(3) auto\_increment primary key,ename varchar(20));

Query OK, 0 rows affected (0.01 sec)

mysql> insert into emp1(ename) values('kushi');

Query OK, 1 row affected (0.01 sec)

mysql> insert into emp1(ename) values('raja');

Query OK, 1 row affected (0.01 sec)

mysql> insert into emp1(ename) values('bala');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from emp1;

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

| eno | ename |

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

| 1 | kushi |

| 2 | raja |

| 3 | bala |

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

3 rows in set (0.00 sec)