**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 (8.78 sec)

mysql> select \* from std\_view;

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

| reg\_no | name | dob |

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

| 192125114 | aashrita | 2004-06-29 |

| 192110258 | kalyan | 2001-10-08 |

| 192122001 | Reeya | 2004-07-28 |

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

3 rows in set (0.27 sec)

1. Create an index on course number of student and analyse the performance.

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

Query OK, 0 rows affected (22.16 sec)

Records: 0 Duplicates: 0 Warnings: 0

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

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

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

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

| 192125114 | aashrita | f | 2004-06-29 | 8374170743 | vizag | 95 | C001 |

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

1 row in set (0.00 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 | 1 | Using where |

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

1 row in set (0.00 sec)

1. Create a sequence

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

Query OK, 0 rows affected (0.10 sec)

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

Query OK, 1 row affected (0.01 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.03 sec)

mysql> select \* from empl;

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

| eno | ename    |

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

|   1 | kiruthik |

|   2 | shwethaa |

|   3 | balaji   |

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

3 rows in set (0.00 sec)