**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 regno,name,dob from student;

Query OK, 0 rows affected (0.07 sec)

mysql> select \* from std\_view;

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

| regno | name    | dob        |

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

|   123 | magesh  | 2022-09-08 |

|   124 | reshma  | 2004-09-08 |

|   125 | nisha   | 2008-09-18 |

|   191 | sathish | 2002-02-22 |

|   200 | gans    | 1997-08-09 |

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

5 rows in set (0.08 sec)

1,create an index on courseno of student and analyze the performance

mysql> create index ind1 on student(courseno);

Query OK, 0 rows affected (0.15 sec)

Records: 0  Duplicates: 0  Warnings: 0

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

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

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

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

|   123 | magesh | m      | 2022-09-08 | 1234567891 | chennai   | c1       |    95 |

|   124 | reshma | m      | 2004-09-08 | 1231231231 | bangalore | c1       |    45 |

|   200 | gans   | m      | 1997-08-09 | 1233456644 | chennai   | c1       |    67 |

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

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 (0.04 sec)

3.Create a example 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)