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 (0.02 sec)

mysql> select *from std_view;
+-------+--------+------------+
| regno | name   | dob        |
+-------+--------+------------+
|   123 | surya  | 2003-02-03 |
|   124 | venkat | 2004-03-27 |
|   192 | uday   | 2004-05-08 |
+-------+--------+------------+
3 rows in set (0.00 sec)
```

2. create an index on courseno of student and analyze the performance

```
mysql> create index ind1 on student(courseno);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> select * from student where courseno='cs1';
+-------+--------+--------+------------+-----------+---------+-------+----------+
| regno | name   | gender | dob        | mobileno  | city    | score | courseno |
+-------+--------+--------+------------+-----------+---------+-------+----------+
|   124 | venkat | f      | 2004-03-27 | 837493110 | ongole  |    75 | cs1      |
|   192 | uday   | m      | 2004-05-08 | 938174374 | nellore |    65 | cs1      |
+-------+--------+--------+------------+-----------+---------+-------+----------+
2 rows in set (0.00 sec)

mysql> EXPLAIN select * from student where courseno='cs1';
+----+-------------+---------+------+---------------+------+---------+-------+------+-------------+
| id | select_type | table   | type | possible_keys | key  | key_len | ref   | rows | Extra       |
+----+-------------+---------+------+---------------+------+---------+-------+------+-------------+
|  1 | SIMPLE      | student | ref  | ind1          | ind1 | 6       | const |    2 | Using where |
+----+-------------+---------+------+---------------+------+---------+-------+------+-------------+
1 row in set (0.00 sec)
```

3.Create an example sequence

```
mysql> create table empl(eno integer(3) auto_increment primary key, ename varchar(20));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into empl(ename) values('shashank');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> j
    -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server
mysql> insert into empl(ename) values('aditya');
Query OK, 1 row affected (0.01 sec)

mysql> insert into empl(ename) values('charan');
Query OK, 1 row affected (0.02 sec)

mysql> select * from empl;
+-----+----------+
| eno | ename    |
+-----+----------+
|   1 | shashank |
|   2 | aditya   |
|   3 | charan   |
+-----+----------+
3 rows in set (0.01 sec)
```