

## EXPERIMENT-9

### VIEW,INDEX,SEQUENCE

#### VIEW

```
MySQL 8.0 Command Line Cli
| mani | 18 | science |
+-----+-----+
4 rows in set (0.00 sec)

mysql> select*from teachers;
+-----+-----+-----+-----+
| id | facultyname | age | coursename |
+-----+-----+-----+-----+
| 5 | siva | 37 | maths |
| 6 | praneetha | 29 | ps |
| 7 | priya | 30 | dbms |
| 8 | ravi | 40 | science |
+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> create view facultyname as from teachers where age>30;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'f
rom teachers where age>30' at line 1
mysql> create view facultyname as select facultyname,coursename from teachers where age>29;
Query OK, 0 rows affected (0.05 sec)

mysql> select*from facultyname;
+-----+-----+
| facultyname | coursename |
+-----+-----+
| siva | maths |
| priya | dbms |
| ravi | science |
+-----+-----+
3 rows in set (0.03 sec)

mysql> drop view facultyname;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'd
row view facultyname' at line 1
mysql> drop view facultyname;
Query OK, 0 rows affected (0.03 sec)

mysql> select*from facultyname;
ERROR 1146 (42S02): Table 'sse.facultyname' doesn't exist
mysql>
```

#### INDEX

```
MySQL 8.0 Command Line Cli
mysql> create index i_d on students(id,name,lastname);
Query OK, 0 rows affected, 1 warning (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 1

mysql> show index from students;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comme |
| nt | Visible | Expression | | | | | | | | | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| students | 1 | sampleindex | 1 | id | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | sampleindex | 2 | name | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | sampleindex | 3 | lastname | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | name | 1 | id | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | name | 2 | name | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | name | 3 | lastname | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | id | 1 | id | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | id | 2 | name | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | id | 3 | lastname | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | i_d | 1 | id | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | i_d | 2 | name | A | 4 | NULL | NULL | YES | BTREE | | |
| students | 1 | i_d | 3 | lastname | A | 4 | NULL | NULL | YES | BTREE | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
12 rows in set (0.04 sec)

mysql> show index from students;
```