

NAME – Abhishek Ravindra Bujare

DIC – C ROLL NO-145

## PRACTICAL NAME-SEQUENCE & INDEX

```
MySQL Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 107
Server version: 8.0.31 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| aditya   |
| ashrut   |
| crm      |
| demo     |
| famer    |
| farmer   |
| farmer9  |
| ganesh   |
| information_schema |
| mysql    |
| performance_schema |
| prathmesh |
| shubham  |
| sys      |
| university |
| university_akash |
| university_ashrut |
| university_ganesh |
| university_gayatri |
| university_shrishail |
| university_shubhamsawant |
+-----+

mysql> use yogita;
Database changed
mysql> create table employee(emp_id int not null,emp_name varchar(20),salary int,city varchar(20),state varchar(20));
ERROR 1050 (42S01): Table 'employee' already exists
mysql> create table employee1(emp_id int not null,emp_name varchar(20),salary int,city varchar(20),state varchar(20));
Query OK, 0 rows affected (0.02 sec)

mysql> desc employee1;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| emp_id | int | NO | | NULL | |
| emp_name | varchar(20) | YES | | NULL | |
| salary | int | YES | | NULL | |
| city | varchar(20) | YES | | NULL | |
| state | varchar(20) | YES | | NULL | |
+-----+
5 rows in set (0.00 sec)

mysql> insert into employee1 values(101,'yogita',20000,'pune','maharashtra');
Query OK, 1 row affected (0.07 sec)

mysql> insert into employee1 values(102,'sanika',30000,'chandigarh','gujrat');
Query OK, 1 row affected (0.07 sec)

mysql> insert into employee1 values(103,'aishu',40000,'noida','up');
Query OK, 1 row affected (0.08 sec)

mysql> insert into employee1 values(104,'sujit',20000,'indore','mp');
Query OK, 1 row affected (0.07 sec)

mysql> insert into employee1 values(105,'sujit',25000,'bangalore','karnataka');
```

```
mysql> show index from employee;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| employee | YES | NULL | 1 | index_id | | 6 | NULL | NULL | YES | BTREE | | |
| employee | YES | NULL | 1 | index_state | | 6 | NULL | NULL | YES | BTREE | | |
| employee | YES | NULL | 1 | city | | 6 | NULL | NULL | YES | BTREE | | |
| employee | YES | NULL | 1 | city | | 6 | NULL | NULL | YES | BTREE | | |
| employee | YES | NULL | 1 | id | | 6 | NULL | NULL | YES | BTREE | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> create table student(id int,name varchar(20),city varchar(10));
Query OK, 0 rows affected (0.02 sec)

mysql> desc student;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | YES | | NULL | |
| name | varchar(20) | YES | | NULL | |
| city | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into values('1','yogita','kolhapur')
-> insert into values('1','yogita','kolhapur');
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 'val'

mysql> select*from student;
+-----+-----+-----+
| id | name | city |
+-----+-----+-----+
| 1 | yogita | kolhapur |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> alter table student modify id in primary key;
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 'in primary key' at line 1
mysql> alter table student modify id int primary key;
Query OK, 0 rows affected (0.13 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | NO | PRI | NULL | |
| name | varchar(20) | YES | | NULL | |
| city | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> alter table student modify id int auto_increment;
Query OK, 1 row affected (0.03 sec)
Records: 1 Duplicates: 0 Warnings: 0

mysql> desc student;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | NO | PRI | NULL | auto_increment |
| name | varchar(20) | YES | | NULL | |
| city | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
Select MySQL 8.0 Command Line Client

mysql> insert into student(name,city)values('yogita','kolhapur');
Query OK, 1 row affected (0.07 sec)

mysql> insert into student(name,city)values('sumit','pune');
Query OK, 1 row affected (0.07 sec)

mysql> insert into student(name,city)values('sujit','sangali');
Query OK, 1 row affected (0.07 sec)

mysql> insert into student(name,city)values('akshay','satara');
Query OK, 1 row affected (0.07 sec)

mysql> insert into student(name,city)values('akshayani','kolhapur');
Query OK, 1 row affected (0.07 sec)

mysql> insert into student(name,city)values('komal','karad');
Query OK, 1 row affected (0.01 sec)

mysql> insert into student(name,city)values('karuna','solapur');
Query OK, 1 row affected (0.07 sec)

mysql> select*from student;
+----+-----+-----+
| id | name  | city  |
+----+-----+-----+
| 1  | yogita | kolhapur |
| 2  | yogita | kolhapur |
| 3  | sumit  | pune    |
| 4  | sujit  | sangali |
| 5  | akshay | satara  |
| 6  | akshayani | kolhapur |
| 7  | komal  | karad   |
| 8  | karuna | solapur |
+----+-----+-----+
8 rows in set (0.00 sec)

mysql>
```