

## PRACTICAL -6 (Date:14-09-24)

**Aim:** Create a database in mysql with 2 tables, create a backup file, delete the database or tables and then restore it.

### Step 1) open mysql cmd (password is root)

Enter password: \*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 6

Server version: 5.1.28-rc-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

### Step 2) Create database and two tables.

```
mysql> create database p6;
```

Query OK, 1 row affected (0.00 sec)

```
mysql> use p6;
```

Database changed

```
mysql> create table student(
```

```
    -> id int primary key,
```

```
    -> name varchar(100) not null,
```

```
    -> class varchar(100) not null
```

```
    -> );
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> create table employee(
```

```
    -> employee_id int primary key,
```

```
    -> name varchar(100) not null,
```

```
    -> salary float not null
```

```
    -> );
```

Query OK, 0 rows affected (0.01 sec)

### Step 3) Insert values into the tables

```
mysql> insert into student values(101,'Aneeza','tycs');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into student values(102,'Manali','syics');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into student values(103,'Dhawal','fyics');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from student;
```

```
+-----+-----+-----+  
| id | name | class |  
+-----+-----+-----+  
| 101 | Aneez | tyce |  
| 102 | Manali | syce |  
| 103 | Dhawal | fyce |  
+-----+-----+-----+
```

3 rows in set (0.01 sec)

```
mysql> insert into employee values(101,'Shazia',20000);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into employee values(102,'Avril',60000);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into employee values(103,'Aneez',70000);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from employee;
```

```
+-----+-----+-----+  
| employee_id | name | salary |  
+-----+-----+-----+  
| 101 | Shazia | 20000 |  
| 102 | Avril | 60000 |  
| 103 | Aneez | 70000 |  
+-----+-----+-----+
```

3 rows in set (0.00 sec)

**Step 4) To check username and password use this command**

```
mysql> SELECT User FROM mysql.user;
```

```
+-----+  
| User |  
+-----+  
| |  
| root |  
| |  
| root |  
+-----+
```

4 rows in set (0.01 sec)

**Step 5) open windows cmd and create a backup file of the database.**

**Syntax** - `mysqldump -u [username] -p [database_name] > [backup_file.sql]`

C:\Users\Admin>`mysqldump -u root -p p6 > backup_file.sql`

Enter password: \*\*\*\*

**Step 6) Drop one of the table**

`mysql> drop table employee;`

Query OK, 0 rows affected (0.01 sec)

`mysql> show tables;`

```
+-----+
| Tables_in_p6 |
+-----+
| student      |
+-----+
```

1 row in set (0.00 sec)

**Step 6) now transfer the contents of backup file into the database.**

**Syntax** - `mysql -u [username] -p [database_name] < [backup_file.sql]`

C:\Users\Admin>`mysql -u root -p p6 < backup_file.sql`

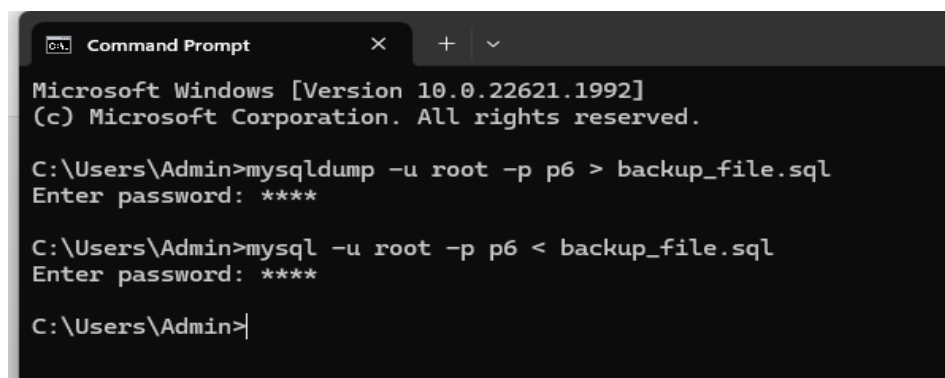
Enter password: \*\*\*\*

Step 7) Now check if the deleted table is restored?

`mysql> show tables;`

```
+-----+
| Tables_in_p6 |
+-----+
| employee      |
| student       |
+-----+
```

2 rows in set (0.00 sec)



```
Microsoft Windows [Version 10.0.22621.1992]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>mysqldump -u root -p p6 > backup_file.sql
Enter password: ****

C:\Users\Admin>mysql -u root -p p6 < backup_file.sql
Enter password: ****

C:\Users\Admin>
```