# Aim:- Write a program to create database backup in mysql
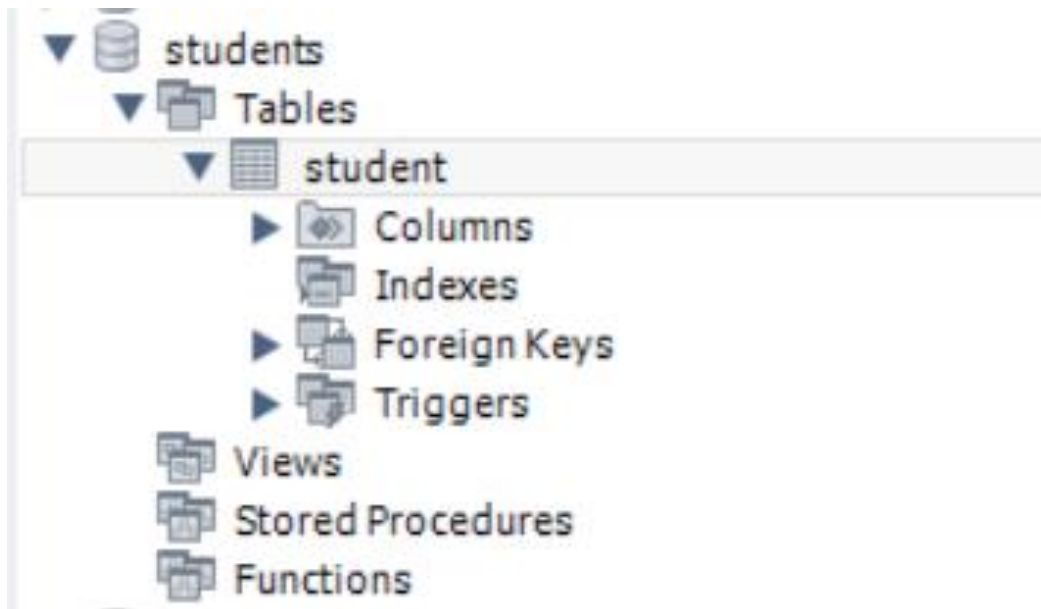
## Code:-

```python
import os

databaseName = input("Enter database name > ")

mySqlUsername = input("Enter mysql  username > ")

path = input("Enter path where you want to store backup database > ")

query = f"mysqldump -u {mySqlUsername} -p {databaseName} --single-transaction > {path}\\{databaseName}_backup.sql"


os.system(f'cmd /k cd C:\\Program Files\\MySQL\\MySQL Server 8.0\\bin ^& {query}')
```

**Create a database**



**Create a table in database student**

**Table: student**

**Columns:**

| | |
|---|---|
| PersonID | int |
| LastName | varchar(255) |
| FirstName | varchar(255) |
| Address | varchar(255) |
| City | varchar(255) |

**Insert value in table student**

| PersonID | LastName | FirstName | Address | City |
|----------|----------|-----------|---------|------|
| 1 | yash | kesharwani | Ghatkopar | Mumbai |
| 2 | anurag | rai | vikroli | bhiwandi |
| 2 | siddesh | v | vikroli | ghatkopar |
| 2 | mitesh | konkar | kanjur | mumbai |
| 1 | yash | walke | Ghatkopar | Mumbai |

**Run the program Backup.py to take backup of database**

```python
import os
databaseName = input("Enter database name > ")
mySqlUsername = input("Enter mysql  username > ")
path = input("Enter path where you want to store backup database > ")
query = f"mysqldump -u {mySqlUsername} -p {databaseName} --single-transaction > {path}\\{databaseName}_backup.sql

os.system(f'cmd /k cd C:\\Program Files\\MySQL\\MySQL Server 8.0\\bin ^& {query}')
```

**Backup of database created**

```
C:\Users\acer\Desktop\CFL_mini_project>python BackUp.py
Enter database name > students
Enter mysql  username > root
Enter path where you want to store backup database > C:\Users\acer\Desktop\CFL_mini_project
'mysqldump' is not recognized as an internal or external command,
operable program or batch file.
Backup Created Successfully


C:\Users\acer\Desktop\CFL_mini_project>
```

**Output**

```
-- MySQL dump 10.13  Distrib 8.0.25, for Win64 (x86_64)
--
-- Host: localhost    Database: students
-- ------------------------------------------------------
-- Server version 8.0.25

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!50503 SET NAMES utf8mb4 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;


--
-- Table structure for table `student`
--

DROP TABLE IF EXISTS `student`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `student` (
  `PersonID` int DEFAULT NULL,
  `LastName` varchar(255) DEFAULT NULL,
  `FirstName` varchar(255) DEFAULT NULL,
  `Address` varchar(255) DEFAULT NULL,
  `City` varchar(255) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Dumping data for table `student`
--

LOCK TABLES `student` WRITE;
/*!40000 ALTER TABLE `student` DISABLE KEYS */;
INSERT INTO `student` VALUES
(1,'yash','kesharwani','Ghatkopar','Mumbai'),(2,'anurag','rai','vikroli','bhiw
andi'),(2,'siddesh','v','vikroli','ghatkopar'),(2,'mitesh','konkar','kanjur','
mumbai'),(1,'yash','walke','Ghatkopar','Mumbai');
/*!40000 ALTER TABLE `student` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;
```

```
/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2022-09-29 13:16:56

C:\Program Files\MySQL\MySQL Server 8.0\bin>
```