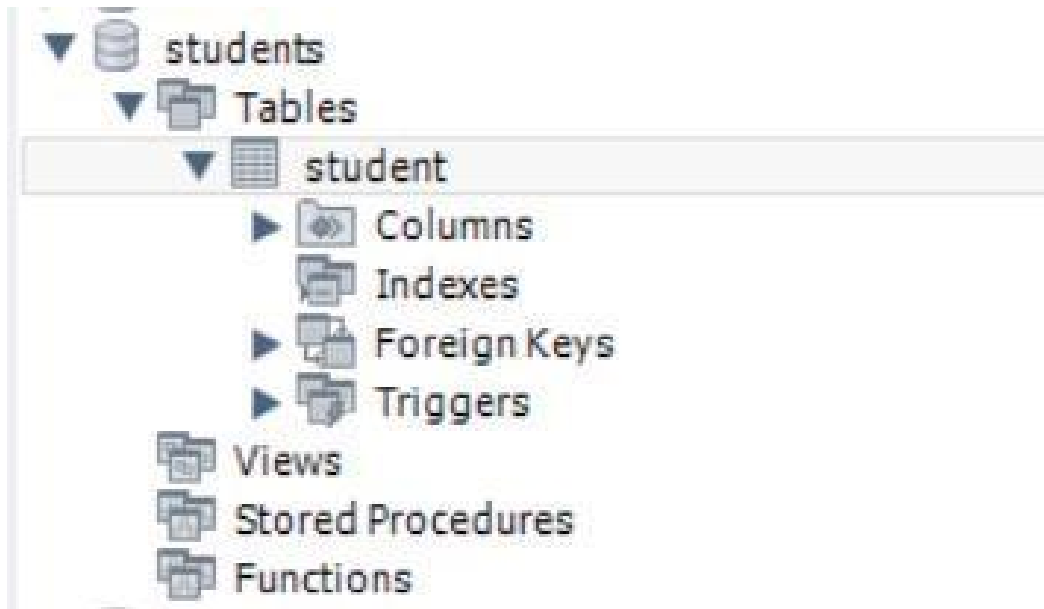# CFL Mini Project

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

Code:-

```
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}')
```

⬜ **Created a database (students database)**

▼ 🛢 students
  ▼ 🗐 Tables
    ▼ 🧮 student
      ▶ 🔷 Columns
        🗐 Indexes
      ▶ 🗄 Foreign Keys
      ▶ 🗐 Triggers
  🗐 Views
  🗐 Stored Procedures
  🗐 Functions

⬜ **Created a table in database (student table)**

Table: student

Columns:
PersonID	int
LastName	varchar(255)
FirstName	varchar(255)
Address	varchar(255)
City	varchar(255)

Insert value in student table

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 students 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>
```