

Cyber forensic and law

Python is a powerful language that allows you to do tons of things. It even allows you to connect to databases and run SQL queries. Sometimes you may need to take backup of MySQL database in python application, or need a python script for the same. In this article, we will learn how to take backup of MySQL database in Python.

We will connect database using **pymysql connector**.

Aim: Take backup from mysql database using python script.

Code:

```
import pymysql

db = "cfl"

connection = pymysql.connect(host='localhost',
                             user='root',
                             password='Hinayadav18@',
                             database='cfl',
                             cursorclass=pymysql.cursors.DictCursor)

cursor = connection.cursor()

cursor.execute('SHOW TABLES;')

table_name = "cfl_entry"

backup_dbname = db + '_backup'

try:
    cursor.execute(f'CREATE DATABASE {backup_dbname}')

except:
    pass

cursor.execute(f'USE {backup_dbname}')

cursor.execute(f'CREATE TABLE cfl_entry_backup SELECT * FROM {db}.cfl_entry')
```

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OUTPUT

We have created backup from cfl database table in cfl_backup database. we are taking backup of one table from database into new database table.

```
MySQL 8.0 Command Line Client
| sys |
+-----+
14 rows in set (0.00 sec)

mysql> use cfl
Database changed
mysql> show tables
+-----+
| Tables_in_cfl |
+-----+
| cfl_entry      |
| cfl_entry_backup |
| employee       |
| table2         |
+-----+
4 rows in set (0.00 sec)

mysql> select * from cfl_entry
+-----+
| id | name | address |
+-----+
| 1  | Ravina | Ghatkopar |
| 2  | Hina  | Ghatkopar |
| 3  | Mina   | Ghatkopar |
+-----+
3 rows in set (0.00 sec)

mysql> use cfl_backup
```

```
MySQL 8.0 Command Line Client
| sys |
+-----+
14 rows in set (0.00 sec)

mysql> use cfl
Database changed
mysql> show tables
+-----+
| Tables_in_cfl |
+-----+
| cfl_entry      |
| cfl_entry_backup |
| employee       |
| table2         |
+-----+
4 rows in set (0.00 sec)

mysql> select * from cfl_entry
+-----+
| id | name | address |
+-----+
| 1  | Ravina | Ghatkopar |
| 2  | Hina  | Ghatkopar |
| 3  | Mina   | Ghatkopar |
+-----+
3 rows in set (0.00 sec)

mysql> use cfl_backup
```