

```
sudo apt-get update
```

(Install updates)

```
sudo apt-get install mariadb-server
```

(Database Installation)

```
sudo mysql_secure_installation
```

(Set passwords)

Select “Yes” on all options

```
sudo mysql -u root -p
```

Select any password: 12345

```
CREATE DATABASE records;
```

```
CREATE USER 'irum'@'localhost' IDENTIFIED BY 'abcd12345';
```

```
GRANT ALL PRIVILEGES ON records.* TO 'irum'@'localhost';
```

```
FLUSH PRIVILEGES;
```

```
quit;
```

```
mysql -u irum -p
```

Enter password: abcd12345

```
+-----+
4 rows in set (0.00 sec)

mysql> CREATE TABLE articles (id INT(11) AUTO_INCREMENT PRIMARY KEY, title VARCHAR(255), author VARCHAR(100), body TEXT, create_date TIMESTAMP DEFAULT
CURRENT_TIMESTAMP);
Query OK, 0 rows affected, 1 warning (3.07 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_myflaskapp |
+-----+
| articles              |
| users                 |
+-----+
2 rows in set (0.12 sec)

mysql>
```

Enter password: *****

mysql: Unknown OS character set 'cp720'.

mysql: Switching to the default character set 'utf8mb4'.

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

Your MySQL connection id is 23

Server version: 8.0.22 MySQL Community Server - GPL

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owners.

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

mysql> SHOW DATABASES

-> ^C

mysql> ^C

mysql> ^C

mysql> SHOW DATABASE

-> ^C

mysql> SHOW DATABASE;

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 'DATABASE' at line 1

mysql> SHOW DATABASES;

Database
information_schema
mysql

```
MySQL 8.0 Command Line Client
mysql> USE myflaskapp;
Database changed
mysql> CREATE TABLE users(id INT(11) AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100), email VARCHAR(100), username VARCHAR(30), password VARCHAR(100),
register_data TIMESTAMP DEFAULT CURRENT_TIMESTAMP);
Query OK, 0 rows affected, 1 warning (2.48 sec)

mysql> SHOW TABLES
-> ^C
mysql> SHOW TABLES;
+-----+
| Tables_in_myflaskapp |
+-----+
| users                 |
+-----+
1 row in set (0.07 sec)

mysql> DESCRIBE users;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default          | Extra           |
+-----+-----+-----+-----+-----+-----+
| id         | int           | NO   | PRI | NULL             | auto_increment |
| name       | varchar(100)  | YES  |     | NULL             |                 |
| email      | varchar(100)  | YES  |     | NULL             |                 |
| username   | varchar(30)   | YES  |     | NULL             |                 |
| password   | varchar(100)  | YES  |     | NULL             |                 |
| register_data | timestamp     | YES  |     | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.04 sec)

mysql>
```

See all data from Tables:

Select * FROM USERS;

USE articles;

(You will get the message that Database is changed)

For checking all the table entries:

```
SELECT * FROM articles;
```

For Delete some entries;

```
DELETE FROM articles where id=1
```

Python Script to Add data in Table

```
import pymysql

db = pymysql.connect(
    host="localhost",
    user="irum",
    passwd="12345",
    database="records"
)
# getting the cursor by cursor() method
mycursor = db.cursor()

insertQuery = "INSERT INTO articles (orderid, customer) VALUES ('345D7','Ahmed');"

mycursor.execute(insertQuery)

print("No of Record Inserted :", mycursor.rowcount)

# we can use the id to refer to that row later.
print("Inserted Id :", mycursor.lastrowid)

# To ensure the Data Insertion, commit database.
db.commit()

# close the Connection
db.close()
```