

# Run Python in Ubuntu



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Document

how to run this in ubuntu terminal

You have Python code that connects to MySQL. To run it in Ubuntu terminal, follow the steps below.

## 1. Start MySQL Server

```
bash

sudo service mysql start
```

## 2. Login to MySQL

```
bash

mysql -u root -p
```

## 3. Create database (if not created)

```
sql

CREATE DATABASE test;
USE test;
```

## 4. Create the emp table

```
sql

CREATE TABLE emp (
  emp_no INT PRIMARY KEY,
  name VARCHAR(50),
  salary INT
);
```

Exit MySQL:

```
sql

exit;
```

## 5. Install Python & MySQL Connector

```
bash

sudo apt update
sudo apt install python3 python3-pip -y
```

```
pip3 install mysql-connector-python
```

## 6. Save your Python file

Example filename:

```
employee.py
```

Copy your Python code exactly into this file.

## 7. Run the file

```
bash
```

```
python3 employee.py
```

### Important Note:


If your MySQL root user has a password, write it in the code:

```
python

con = mysql.connector.connect(
    host="localhost",
    user="root",
    password="yourpassword",
    database="test"
)
```

If you want, I can also convert this into **Java** or **PHP** version.



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and how to run this

Here is the **exact step-by-step process** to run your MongoDB Python program in **Ubuntu terminal**.

## 1) Install MongoDB (if not installed)

```
bash
```

```
sudo apt update
sudo apt install mongodb -y
```

## 2) Start MongoDB Service

```
bash

sudo service mongodb start
```

Check status:

```
bash

sudo service mongodb status
```

---

### 3) Install Python & MongoDB Driver (pymongo)

```
bash

sudo apt install python3 python3-pip -y
pip3 install pymongo
```

---

### 4) Open Mongo Shell (Optional Check)

```
bash

mongosh
```

or old shell:

```
bash

mongo
```

List databases:

```
js

show dbs
```

Exit:

```
js

exit
```

---

### 5) Save your Python Code to a File

Create file:

```
bash

nano mongo_connect.py
```

Paste your code:

```
python

from pymongo import MongoClient

client = MongoClient("mongodb://localhost:27017")
db = client.mydb
emp = db.Employee

# Insert
emp.insert_one({"Name": "Rohan", "Company": "TCS", "Salary": 55000})

# Display
for e in emp.find():
    print(e)

# Update
emp.update_one({"Name": "Rohan"}, {"$set": {"Salary": 60000}})

# Delete
emp.delete_one({"Name": "Rohan"})
```

Save:

Press **CTRL + S** then **CTRL + X**

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## 6) Run the Python Program

```
bash

python3 mongo_connect.py
```

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## Expected Output

It will print the inserted employee record before update/delete:

```
bash

{'_id': ObjectId('...'), 'Name': 'Rohan', 'Company': 'TCS', 'Salary': 55000}
```

No errors = Successfully connected to MongoDB.

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If you want, I can now:

- Create **PHP version**
- Create **Java version**
- Create **GUI form (Tkinter / Java Swing)**

Just tell me which one.