



Unit 12

Python + MySQL

MySQL

- Free opensource database
- Simple way to have MySQL is using XAMPP
 - <https://www.apachefriends.org/download.html>
- Working with MySQL in Python:
 - PyMySQL:
 - <https://github.com/PyMySQL/PyMySQL>

PyMySQL

```
import pymysql
```

```
# Connect to the database
```

```
connection = pymysql.connect(host='localhost',  
                             user='user',  
                             password='passwd',  
                             database='db',  
                             cursorclass=pymysql.cursors.DictCursor)
```

CUD example

with connection.cursor() as cursor:

```
    cursor.execute(sql_statement)
```

connection is not autocommit by default. So you must commit to save your changes.

```
    connection.commit()
```

Read data

```
with connection.cursor() as cursor:  
    cursor.execute(sql_statement)  
    result = cursor.fetchone()  
    result = cursor.fetchall()
```