

Formation python

Séance 2

Plan

- Les base de données
- CRUD avec mysql
- Installation mongodb
- Installer pyqt
- Interface graphique python

Les base de données

- Créer une base de données mysql avec xampp
- Créer une base teste avec une table user

L'ajout

Insérer dans le tableau

Pour remplir une table dans MySQL, utilisez l'instruction "INSERT INTO".

Exemple

Insérez un enregistrement dans le tableau "clients":

```
import mysql.connector
```

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="yourusername",  
    passwd="yourpassword",  
    database="mydatabase"  
)
```

```
mycursor = mydb.cursor()
```

```
sql = "INSERT INTO user(nom, adresse) VALUES (%s, %s)"  
val = ("khalil", " Gabés")  
mycursor.execute(sql, val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, "record inserted.")
```

L'affichage

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="yourusername",
    passwd="yourpassword",
    database="mydatabase"
)

mycursor = mydb.cursor()

mycursor.execute("SELECT * FROM user")

myresult = mycursor.fetchall()

for x in myresult:
    print(x)
```

Filtrage

- `import mysql.connector`

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="yourusername",  
    passwd="yourpassword",  
    database="mydatabase"  
)
```

```
mycursor = mydb.cursor()
```

```
sql = "SELECT * FROM user WHERE address =Gabes"
```

```
mycursor.execute(sql)
```

```
myresult = mycursor.fetchall()
```

```
for x in myresult:  
    print(x)
```

supression

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="yourusername",
    passwd="yourpassword",
    database="mydatabase"
)

mycursor = mydb.cursor()

sql = "DELETE FROM user WHERE nom= 'François'"

mycursor.execute(sql)

mydb.commit()

print(mycursor.rowcount, "record(s) deleted")
```

Installer pyqt

Installer python et ajouter pipe sur votre path puis:

```
pip install PyQt5
```

Installer designer via:

```
pip install PyQt5Designer
```

lancer le designer et créer des interface

Lancement des interfaces

Taper le code suivant

```
from PyQt5 import QtWidgets, uic  
import sys
```

```
app = QtWidgets.QApplication([])
```

```
win = uic.loadUi("C:/Users/khalil/Desktop/pyqt/calcul/PyQt  
_first-  
master/tax_calc.ui") #specify the location of your .ui file  
win.results_window.setText("hello")  
win.show()
```

```
sys.exit(app.exec())
```