

```

import sqlite3

connection = sqlite3.connect("./my-database.db")

cursor = connection.cursor()

sql = """
CREATE TABLE IF NOT EXISTS user (
    userId INTEGER ,
    name VARCHAR (60),
    family VARCHAR (60),
    email VARCHAR (60)
);
"""

cursor.execute(sql)

connection.commit()
connection.close()

```

.....

```

import sqlite3

```

```

connection = sqlite3.connect("./my-database.db")

cursor = connection.cursor()

sql = """
CREATE TABLE IF NOT EXISTS Product (
    productId INTEGER ,
    productName VARCHAR (60),
    price INTEGER ,
    description VARCHAR (60)
);
"""

cursor.execute(sql)

connection.commit()
connection.close()

```

# ORM => Object Relational Mapping

---

```

import sqlite3

connection = sqlite3.connect("./my-database.db")

cursor = connection.cursor()

# sql = """
# SELECT * FROM Product WHERE productId = 8

```

```
# """  
  
sql = """  
    SELECT * FROM Product WHERE description LIKE "%python%"  
    """
```

```
cursor.execute(sql)
```

```
for product in cursor:  
    print(product)
```

```
connection.commit()  
connection.close()
```

---

```
import sqlite3
```

```
connection = sqlite3.connect("./my-database.db")
```

```
cursor = connection.cursor()
```

```
sql = """  
    INSERT INTO Product VALUES (4,'Django course',5000,'this is django course using python language');  
    """
```

```
# sql = """  
#     INSERT INTO Product VALUES (2,'kotlin course',3000,'this is kotlin course');  
#     INSERT INTO Product VALUES (3,'vue course',4000,'this is vue course');  
#  
# """
```

```
# cursor.execute(sql)
```

```
cursor.executescript(sql)
```

```
connection.commit()
```

```
connection.close()
```

---

```
import sqlite3
```

```
connection = sqlite3.connect("./my-database.db")
```

```
cursor = connection.cursor()
```

```
sql = """  
    DELETE FROM Product WHERE productId = 3;  
    """
```

```
cursor.execute(sql)
```

```
connection.commit()
```

```
connection.close()
```

---

```
import sqlite3
```

```
connection = sqlite3.connect("./my-database.db")
```

```
cursor = connection.cursor()
```

```
sql = """
    UPDATE Product SET productName="vuejs course edited" WHERE productId = 3
    """
```

```
cursor.execute(sql)
```

```
connection.commit()
```

```
connection.close()
```

```
.....
```

```
from tkinter import *
```

```
root = Tk()
```

```
root.title("new python GUI")
```

```
label = Label(root, text='this is test label')
```

```
label.place(x=10, y=50)
```

```
label_2 = Label(root, text='this is second test label')
```

```
label_2.place(x=10, y=70)
```

```
root.mainloop()
```

```
.....
```

```
from tkinter import *
```

```
root = Tk()
```

```
root.title("button")
```

```
root.geometry('400x300')
```

```
root.resizable(width=False, height=False)
```

```
my_name = StringVar()
```

```
def print_my_name():
```

```
    my_name.set('my name is Mohammad')
```

```
btn = Button(root, text="show my name!", command=lambda: print_my_name())
```

```
btn.place(x=10, y=10)
```

```
label = Label(root, textvariable=my_name)
```

```
label.place(x=10, y=50)
```

```
root.mainloop()
```

---

```
myName = 'mohammad'
```

```
yourName = myName
```

```
yourName = 'ali'
```

```
print(myName)
```