Creating a Project

Interfacing FrontEnd and Backend

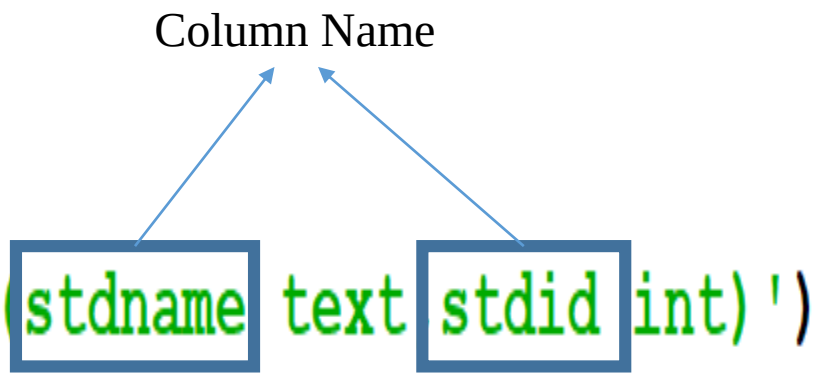
Task 1

- Create a New File called backend.py and save it in your location where you have your frontend

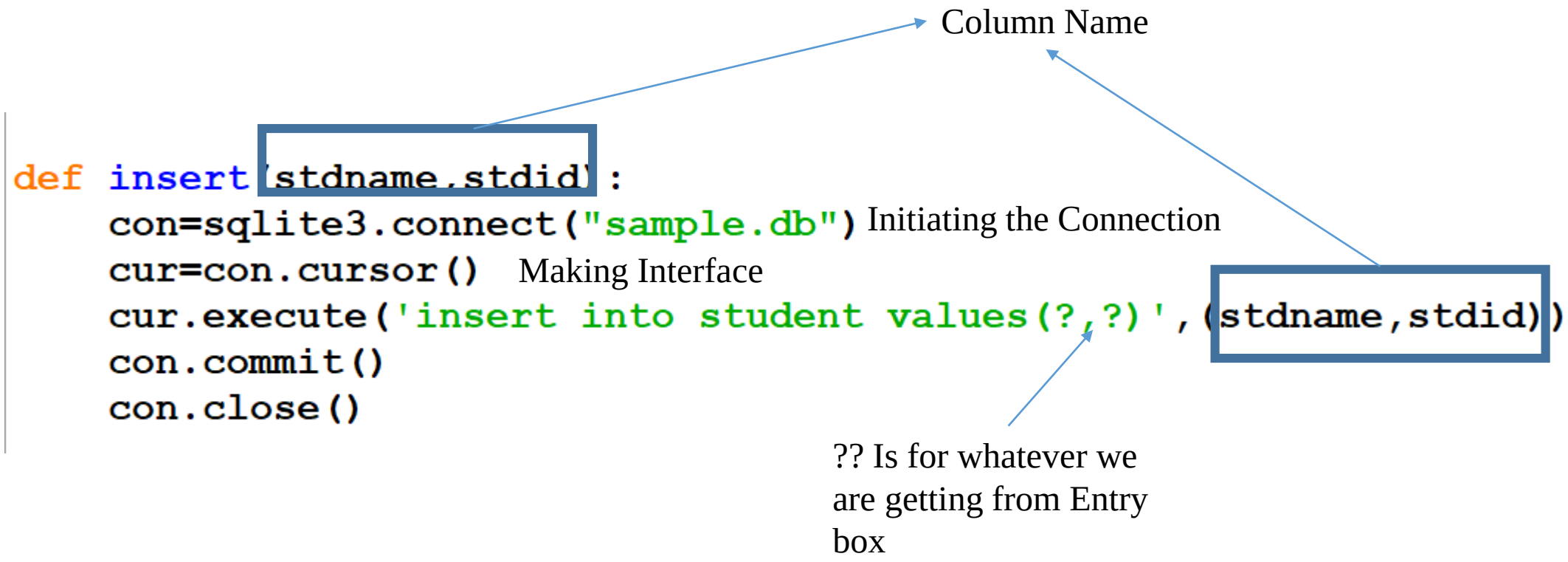
Creating a Table

```
import sqlite3


def new():
    con=sqlite3.connect("sample.db")
    cur=con.cursor()
    cur.execute('create table IF NOT EXISTS student(stdname text,stdid int)')
    #con.commit()
    #con.close()
```



Inserting in to Table



Update Query

```
def update(id, number):
    sqliteConnection = sqlite3.connect('sample.db')
    cursor = sqliteConnection.cursor()
    print("Connected to SQLite")
    sql_update_query = """Update student set stdname = ? where stdid = ?"""
    data = (id, number)
    cursor.execute(sql_update_query, data)
    sqliteConnection.commit()
    print("Record Updated successfully")
    cursor.close()
```

Delete Query

```
def delete(id):
    sqliteConnection = sqlite3.connect('sample.db')
    cursor = sqliteConnection.cursor()
    print("Connected to SQLite")
    sql_update_query = """DELETE from student where stdname = ?"""
    cursor.execute(sql_update_query, (id, ))
    sqliteConnection.commit()
    print("Record deleted successfully")
```

Front End Interface– Import your Backend

```
def savedata():
    backend.insert(e1.get(),e2.get())

def viewAll():
    s=backend.view()
    for x in s:
        list1.insert(END,x)


def update_command():
    backend.update(e1.get(),e2.get())


def delete_command():
    backend.delete(selected_tuple[0])
```

Making More Interface

```
def get_selected_row(event):
    global selected_tuple
    index=list1.curselection()
    selected_tuple=list1.get(index)
    e1.delete(0,END)
    e1.insert(END,selected_tuple[0])
    e2.delete(0,END)
    e2.insert(END,selected_tuple[1])

def gamdata():
```

```
list1=Listbox(a, height=6,width=35)
list1.grid(row=1,column=0,rowspan=2,columnspan=2)

list1.bind('<<ListboxSelect>>',get_selected_row)
```