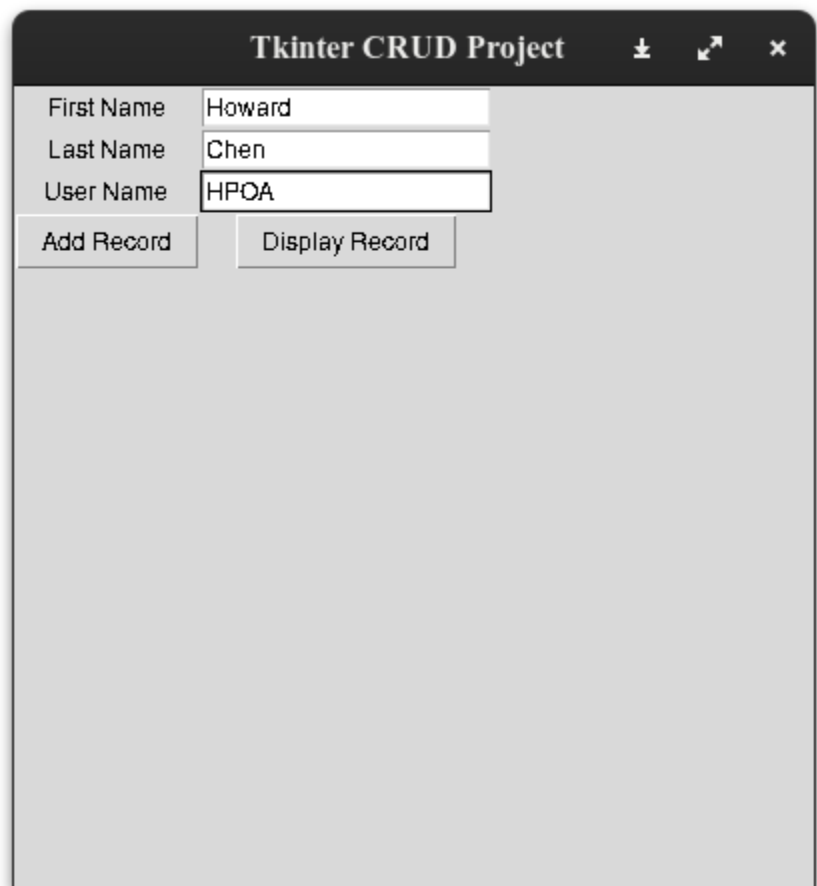


How to Use the Program

In order to use the program as your daily driver, please look over the code because the program will provided as-is and will be further develop if the bugs could be solve. Without further ado, here's the program and the problem.

TUTORIAL

First, you enter your first name in the first row of entry box. Then, enter your last name in the second row of entry box. At last, enter your user name in the third row of entry box. Then, click add record.



The screenshot shows a window titled "Tkinter CRUD Project" with standard window controls (minimize, maximize, close). Inside the window, there is a form with three input fields labeled "First Name", "Last Name", and "User Name". The "First Name" field contains the text "Howard", the "Last Name" field contains "Chen", and the "User Name" field contains "HPOA". Below the input fields, there are two buttons: "Add Record" and "Display Record".

First Name	Howard
Last Name	Chen
User Name	HPOA
Add Record	Display Record

THE PROBLEM

Here is the list of problems about my code:

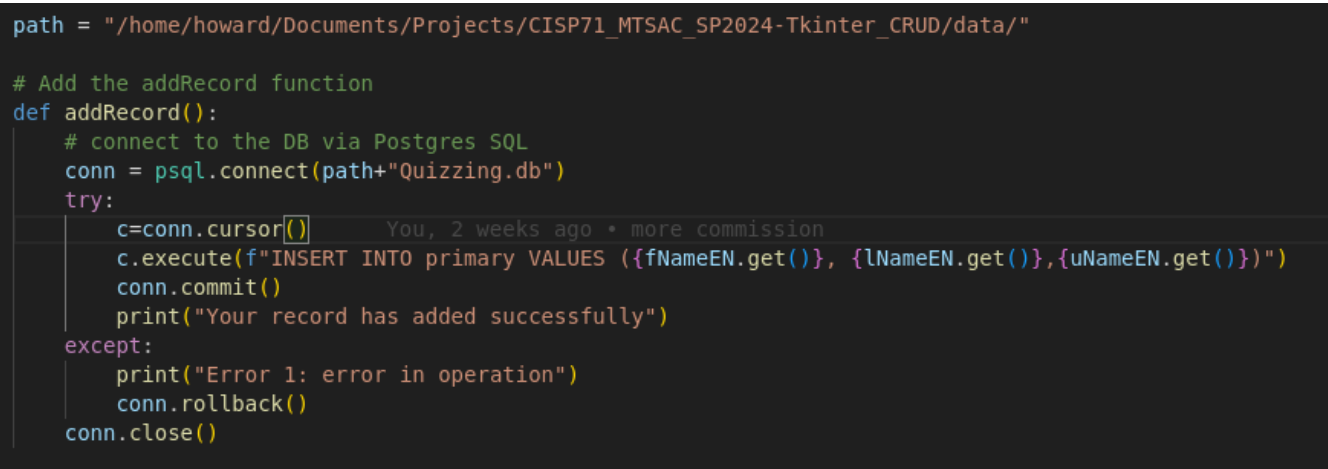
1. I am working on Linux, not Windows
2. This project not only for professional project, but for future reference for my future GUI-based projects
3. Notice in the addRecord function, I am using f-string
4. Notice the displayRecord function, I am copying from the class notes and modified it
5. I deemed this project is failure and incomplete

GALLERY



A screenshot of a terminal window with a dark background. At the top, there are tabs labeled 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', 'PORTS', and 'GITLENS'. The 'OUTPUT' tab is selected. The text in the terminal reads: '[Running] python -u "/home/howard/Documents/Projects/CISP71_MTSAC_SP2024-Tkinter_CRUD/main.py"' followed by 'Error 1: error in operation'.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS
[Running] python -u "/home/howard/Documents/Projects/CISP71_MTSAC_SP2024-Tkinter_CRUD/main.py"
Error 1: error in operation
```



A screenshot of Python code in a dark-themed editor. The code defines a path, adds a comment, and defines an addRecord function. The function connects to a PostgreSQL database, executes an INSERT statement, commits, and prints a success message. It also includes an except block for handling errors and a finally block to close the connection. A GitHub watermark is visible in the background.

```
path = "/home/howard/Documents/Projects/CISP71_MTSAC_SP2024-Tkinter_CRUD/data/"

# Add the addRecord function
def addRecord():
    # connect to the DB via Postgres SQL
    conn = psycopg2.connect(path+"Quizzing.db")
    try:
        c=conn.cursor()
        c.execute(f"INSERT INTO primary VALUES ({fNameEN.get()} , {lNameEN.get()} , {uNameEN.get()} )")
        conn.commit()
        print("Your record has added successfully")
    except:
        print("Error 1: error in operation")
        conn.rollback()
    conn.close()
```

```

5 def displayRecord():
6     # Display the record
7     conn=psql.connect(path+"Quizzing.db")
8     try:
9         c=conn.cursor()
10        c.execute("SELECT * FROM primary")
11        records=c.fetchall()
12        #as you see the records is a list with tuples inside it
13        print(records)
14
15        #loop throu results
16        print_records=''
17        for record in records:
18            print_records +=str(record[0])+ " "+ str(record[1])+ " "+str(record[2])+ "\n"
19
20        #commit changes
21        conn.commit()
22        #close connection
23        conn.close()
24
25    except:
26        print("Error 1: error in operation")
27        conn.rollback()
28        conn.close()

```

```

# Get the properties
main = Tk()
main.title("Tkinter CRUD Project")
main.geometry("400x400")
main.iconbitmap()

# Create the button(s)
addBT=Button(main, text="Add Record", command=addRecord)
displayRecordBT=Button(main, text="Display Record", command=displayRecord)

# Create labels
fNameLB=Label(main,text="First Name")
lNameLB=Label(main,text="Last Name")
uNameLB=Label(main,text="User Name")

# Create entries
fNameEN=Entry(main)
lNameEN=Entry(main)
uNameEN=Entry(main)

# Specify the label grids
fNameLB.grid(row=0, column=0)
lNameLB.grid(row=1, column=0)
uNameLB.grid(row=2, column=0)

#Specify the entry grids
fNameEN.grid(row=0, column=1)
lNameEN.grid(row=1, column=1)
uNameEN.grid(row=2, column=1)

# Specify the button grids
addBT.grid(row=4, column=0)
displayRecordBT.grid(row=4, column=1)

# Call the mainloop
main.mainloop()

```