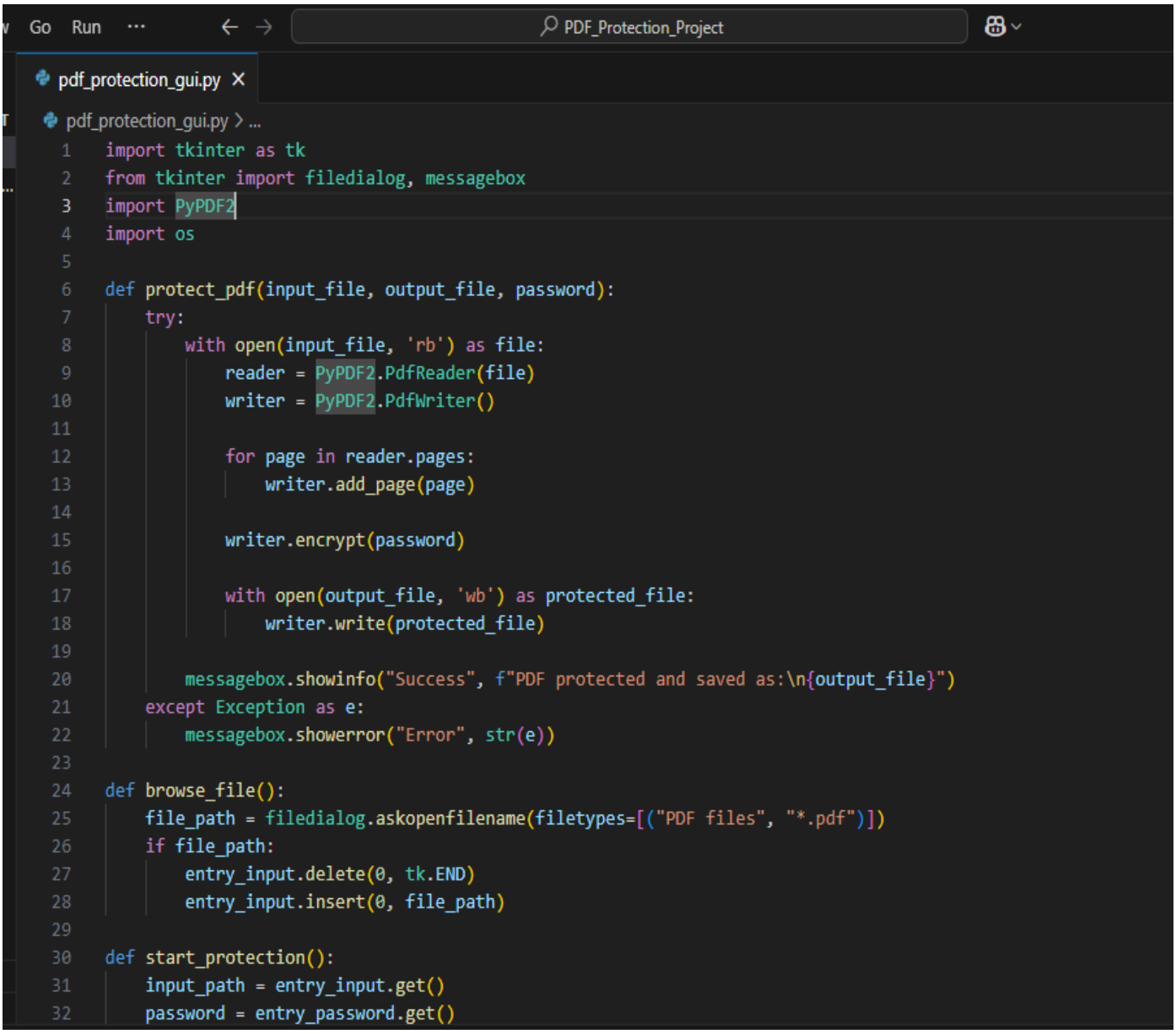
Go Run ···
PDF_Protection_Project
pdf_protection_gui.py
pdf_protection_gui.py > ...
1 import tkinter as tk
2 from tkinter import filedialog, messagebox
3 import PyPDF2
4 import os
5
6 def protect_pdf(input_file, output_file, password):
7 try:
8 with open(input_file, 'rb') as file:
9 reader = PyPDF2.PdfReader(file)
10 writer = PyPDF2.PdfWriter()
11
12 for page in reader.pages:
13 writer.add_page(page)
14
15 writer.encrypt(password)
16
17 with open(output_file, 'wb') as protected_file:
18 writer.write(protected_file)
19
20 messagebox.showinfo("Success", f"PDF protected and saved as:\n{output_file}")
21 except Exception as e:
22 messagebox.showerror("Error", str(e))
23
24 def browse_file():
25 file_path = filedialog.askopenfilename(filetypes=[("PDF files", "*.pdf")])
26 if file_path:
27 entry_input.delete(0, tk.END)
28 entry_input.insert(0, file_path)
29
30 def start_protection():
31 input_path = entry_input.get()
32 password = entry_password.get()

```
    password = entry_password.get()

    if not input_path or not password:
        messagebox.showwarning("Missing Info", "Please select a file and enter a password.")
        return

    output_path = os.path.splitext(input_path)[0] + "_protected.pdf"
    protect_pdf(input_path, output_path, password)



# GUI Setup
root = tk.Tk()
root.title("PDF Protection Tool")
root.geometry("400x200")

label_input = tk.Label(root, text="Select PDF File:")
label_input.pack(pady=(10, 0))

entry_input = tk.Entry(root, width=40)
entry_input.pack(pady=5)

btn_browse = tk.Button(root, text="Browse", command=browse_file)
btn_browse.pack()

label_password = tk.Label(root, text="Enter Password:")
label_password.pack(pady=(10, 0))

entry_password = tk.Entry(root, show="*", width=30)
entry_password.pack(pady=5)
```

```
entry_password.pack(pady=5)

btn_protect = tk.Button(root, text="Protect PDF", command=start_protection)
btn_protect.pack(pady=10)

root.mainloop()
```