



PYTHON II

FINAL PROJECT

Presented by Cornelius Brian

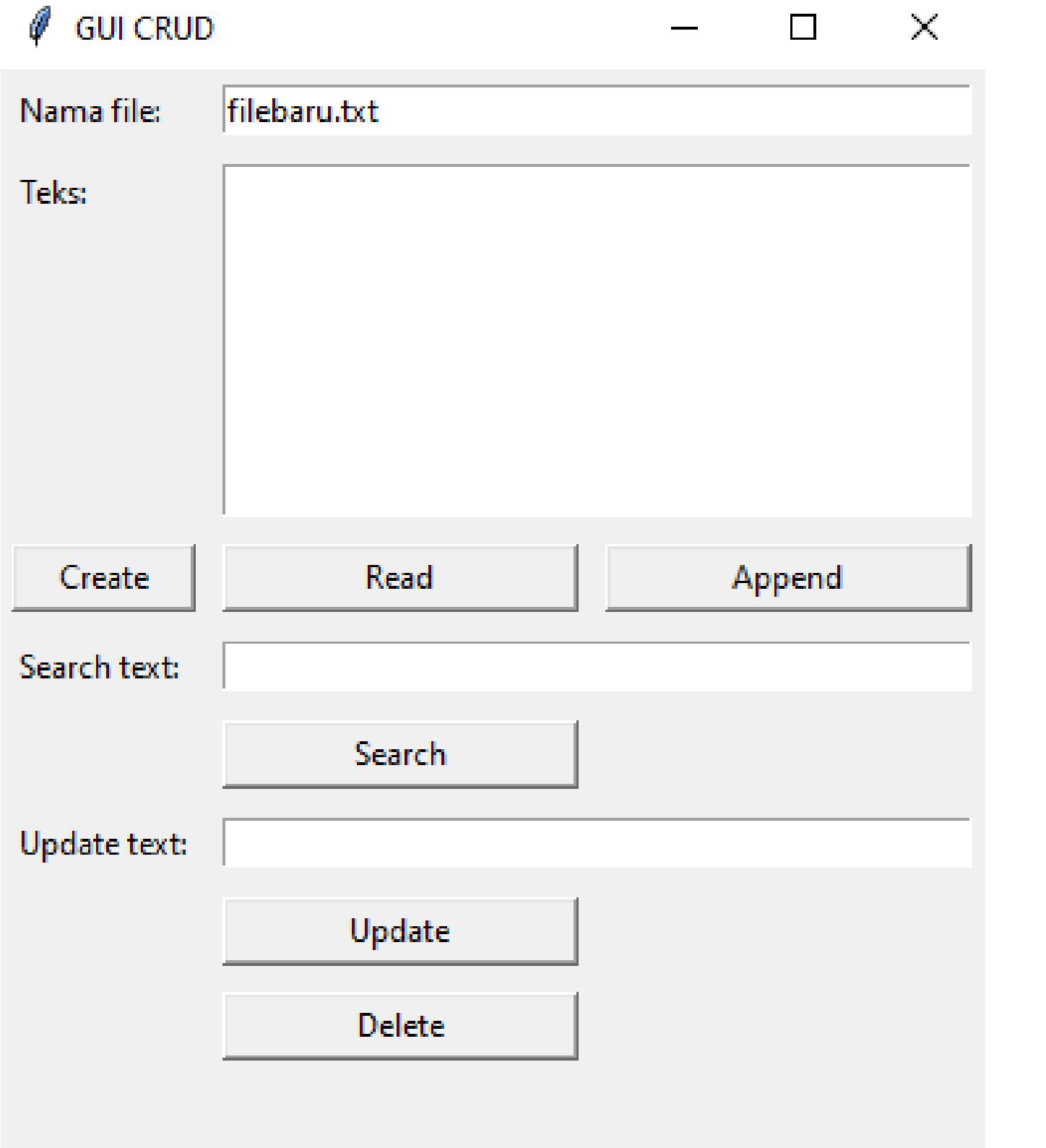
Introduction

Halo, nama saya Cornelius Brian. Saya berumur 23 tahun dan saya lulusan S1 dalam bidang bisnis Hotel dan Tur di Universitas Ciputra.



Project Overview

Di dalam projek ini, ada tombol create, read, append, search, update dan delete. Ada juga bacaan nama file, teks, search text, dan update text. dan dari setiap bacaan itu ada textbox yang bisa buat input kata-kata. Box pertama itu untuk nama file, box kedua buat read dan append, yang ketiga untuk search text, dan yang keempat untuk update text.

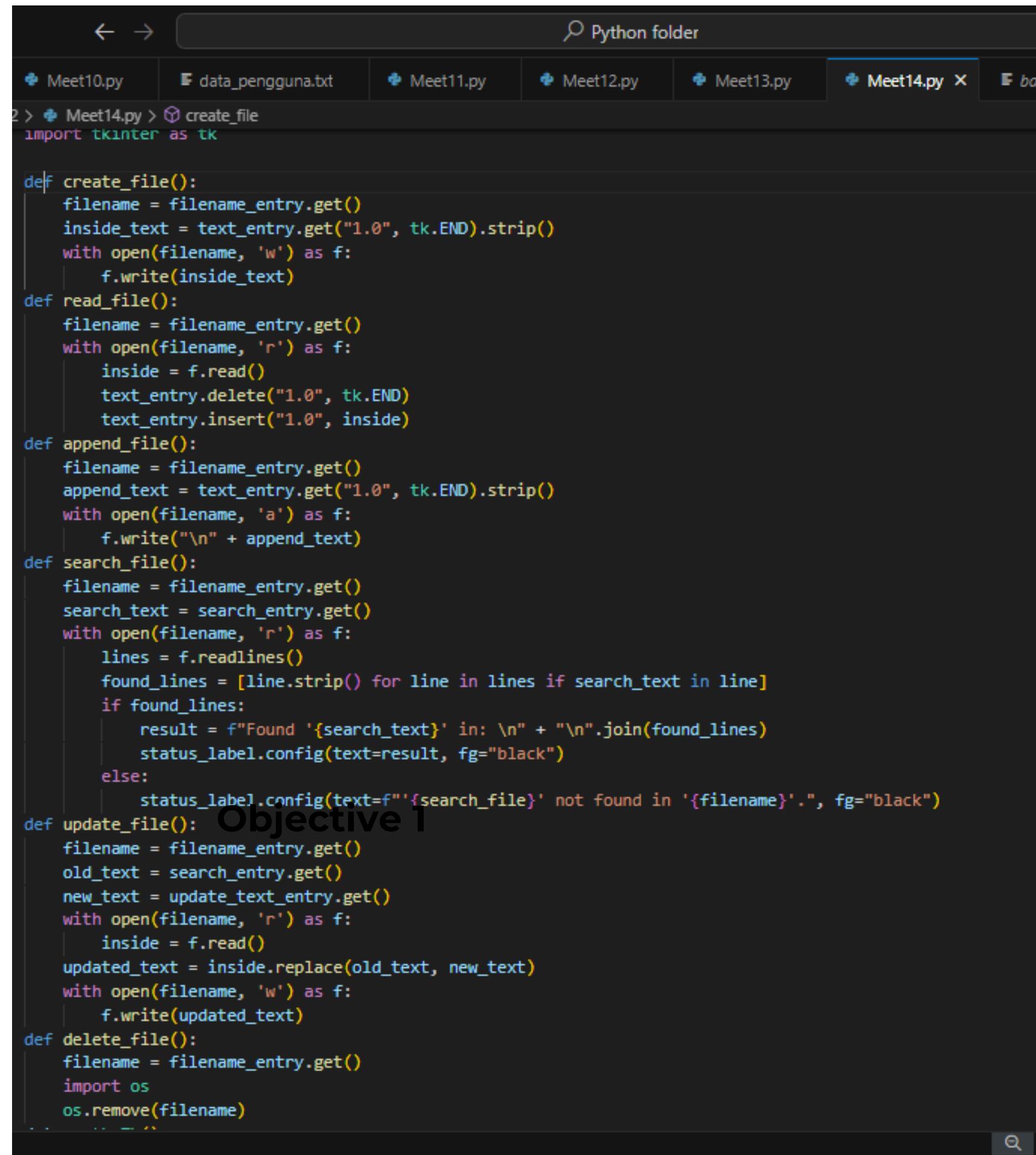


Library

```
import tkinter as tk
```

Projek ini menggunakan module
tkinter untuk menampilkan
GUI(Graphical User Interface)

Function



```
Python folder
Meet10.py Meet11.py Meet12.py Meet13.py Meet14.py x ba

2 > Meet14.py > create_file
import tkinter as tk

def create_file():
    filename = filename_entry.get()
    inside_text = text_entry.get("1.0", tk.END).strip()
    with open(filename, 'w') as f:
        f.write(inside_text)

def read_file():
    filename = filename_entry.get()
    with open(filename, 'r') as f:
        inside = f.read()
        text_entry.delete("1.0", tk.END)
        text_entry.insert("1.0", inside)

def append_file():
    filename = filename_entry.get()
    append_text = text_entry.get("1.0", tk.END).strip()
    with open(filename, 'a') as f:
        f.write("\n" + append_text)

def search_file():
    filename = filename_entry.get()
    search_text = search_entry.get()
    with open(filename, 'r') as f:
        lines = f.readlines()
        found_lines = [line.strip() for line in lines if search_text in line]
        if found_lines:
            result = f"Found '{search_text}' in: \n" + "\n".join(found_lines)
            status_label.config(text=result, fg="black")
        else:
            status_label.config(text=f"'{search_file}' not found in '{filename}'.", fg="black")

def update_file():
    filename = filename_entry.get()
    old_text = search_entry.get()
    new_text = update_text_entry.get()
    with open(filename, 'r') as f:
        inside = f.read()
    updated_text = inside.replace(old_text, new_text)
    with open(filename, 'w') as f:
        f.write(updated_text)

def delete_file():
    filename = filename_entry.get()
    import os
    os.remove(filename)
```

Dari gambar ini, kita bisa lihat ada function
create_file, read_file, append_file, search_file,
update_file, delete_file

Main Position

```
data = tk.Tk()
data.title("GUI CRUD")
tk.Label(data, text="Nama file:").grid(row=0, column=0, padx=5, pady=5, sticky = "w")
filename_entry = tk.Entry(data)
filename_entry.grid(row=0, column=1, columnspan=2, padx=5, pady=5, sticky = "ew")
filename_entry.insert(0, "filebaru.txt")

tk.Label(data, text="Teks:").grid(row=1, column=0, padx=5, pady=5, sticky = "nw")
text_entry = tk.Text(data, height=10, width=40)
text_entry.grid(row=1, column=1, columnspan=2, padx=5, pady=5, sticky = "ew")

create_button = tk.Button(data, text="Create", command=create_file)
create_button.grid(row=2, column=0, padx=5, pady=5, sticky = "ew")

read_button = tk.Button(data, text="Read", command=read_file)
read_button.grid(row=2, column=1, padx=5, pady=5, sticky = "ew")

append_button = tk.Button(data, text="Append", command=append_file)
append_button.grid(row=2, column=2, padx=5, pady=5, sticky = "ew")

tk.Label(data, text="Search text:").grid(row=3, column=0, padx=5, pady=5, sticky = "w")
search_entry = tk.Entry(data)
search_entry.grid(row=3, column=1, columnspan=2, padx=5, pady=5, sticky = "ew")
search_button = tk.Button(data, text="Search", command=search_file)
search_button.grid(row=3, column=3, padx=5, pady=5, sticky = "ew")

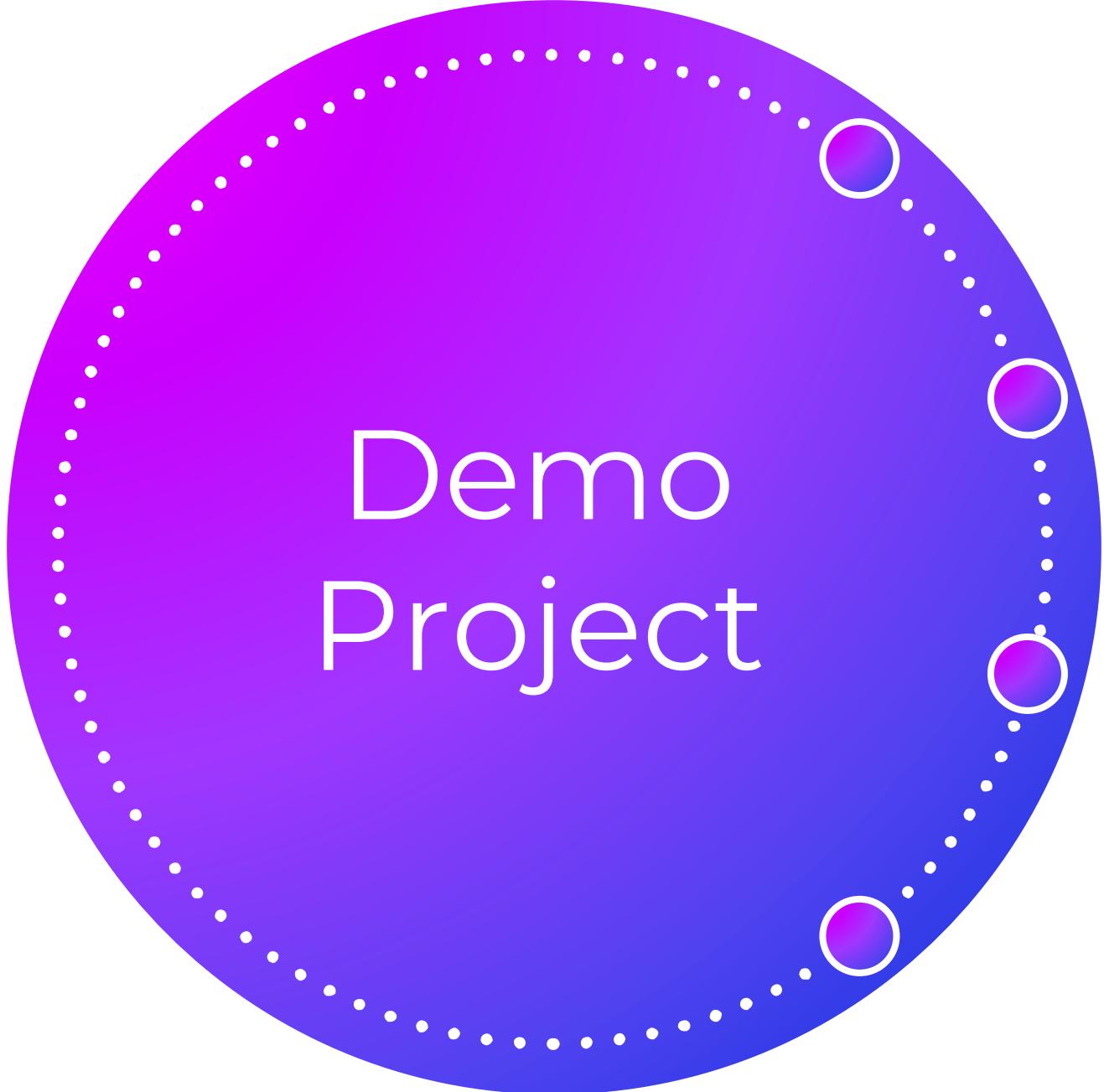
tk.Label(data, text="Update text:").grid(row=5, column=0, padx=5, pady=5, sticky = "w")
update_text_entry = tk.Entry(data)
update_text_entry.grid(row=5, column=1, columnspan=2, padx=5, pady=5, sticky = "ew")
update_button = tk.Button(data, text="Update", command=update_file)
update_button.grid(row=5, column=3, padx=5, pady=5, sticky = "ew")

delete_button = tk.Button(data, text="Delete", command=delete_file)
delete_button.grid(row=7, column=1, padx=5, pady=5, sticky = "ew")

status_label = tk.Label(data, text="", fg="blue")
status_label.grid(row=8, column=0, columnspan=3, padx=5, pady=5, sticky="w")
data.mainloop()
```

Terdapat kode untuk menempatkan posisi posisi teks, tombol, dan textbox

Juga terdapat data untuk menjalankan semua proses



Demo
Project



Kesimpulan

Final Projek ini menerangkan materi-materi python yang telah saya pelajari termasuk pyhton I seperti def function, IF ELSE, dan import sedangkan yang buat pythonII ada file operation dan GUI



Thank you