**RANDOM QUOTE GENERATOR**

import random

import tkinter as tk

from tkinter import messagebox

# List of quotes

quotes = [

"The only way to do great work is to love what you do. – Steve Jobs",

"In the end, we will remember not the words of our enemies, but the silence of our friends. – Martin Luther King Jr.",

"To be yourself in a world that is constantly trying to make you something else is the greatest accomplishment. – Ralph Waldo Emerson",

"The future belongs to those who believe in the beauty of their dreams. – Eleanor Roosevelt",

"Success is not final, failure is not fatal: It is the courage to continue that counts. – Winston Churchill",

"Life is what happens when you're busy making other plans. – John Lennon",

"It does not matter how slowly you go as long as you do not stop. – Confucius",

"You must be the change you wish to see in the world. – Mahatma Gandhi",

"Believe you can and you're halfway there. – Theodore Roosevelt",

"Do not go where the path may lead, go instead where there is no path and leave a trail. – Ralph Waldo Emerson"

]

# Function to generate a random quote

def generate\_random\_quote():

return random.choice(quotes)

# Function to display a random quote in the label

def display\_random\_quote():

random\_quote = generate\_random\_quote()

quote\_label.config(text=random\_quote)

# Function to save the current quote to a text file

def save\_quote\_to\_file():

current\_quote = quote\_label.cget("text")

if current\_quote == "Click 'Generate' to get a quote":

messagebox.showwarning("No Quote", "Please generate a quote first.")

else:

with open("quotes.txt", "a") as file:

file.write(current\_quote + "\n")

messagebox.showinfo("Quote Saved", "The current quote has been saved to 'quotes.txt'.")

# Function to load quotes from a file and display one randomly

def load\_and\_display\_saved\_quote():

try:

with open("quotes.txt", "r") as file:

saved\_quotes = file.readlines()

if saved\_quotes:

random\_saved\_quote = random.choice(saved\_quotes).strip()

quote\_label.config(text=random\_saved\_quote)

else:

messagebox.showinfo("No Saved Quotes", "There are no saved quotes yet.")

except FileNotFoundError:

messagebox.showerror("File Not Found", "The file 'quotes.txt' does not exist.")

# GUI setup

root = tk.Tk()

root.title("Random Quote Generator")

root.geometry("400x300")

# Create the GUI components

quote\_label = tk.Label(root, text="Click 'Generate' to get a quote", wraplength=350, font=("Arial", 14), justify="center")

quote\_label.pack(pady=20)

generate\_button = tk.Button(root, text="Generate Quote", width=20, height=2, command=display\_random\_quote)

generate\_button.pack(pady=10)

save\_button = tk.Button(root, text="Save Quote", width=20, height=2, command=save\_quote\_to\_file)

save\_button.pack(pady=5)

load\_button = tk.Button(root, text="Load Saved Quote", width=20, height=2, command=load\_and\_display\_saved\_quote)

load\_button.pack(pady=5)

# Start the Tkinter event loop

root.mainloop()