from tkinter import \*

from tkinter import ttk

from googletrans import Translator, LANGUAGES

# Initialize Tkinter

root = Tk()

root.geometry('1080x500')

root.resizable(0, 0)

root.title("Multi-Language-Translator")

root.config(bg='orange')

# Heading Labels

Label(root, text="MULTI-LANGUAGE-TRANSLATOR", font="arial 20 bold", bg='white smoke').pack()

Label(root, text="Powered by Google Translate", font='arial 10 italic', bg='white smoke').pack()

# Input and Output Text Widgets

Label(root, text="Enter Text", font='arial 13 bold', bg='white smoke').place(x=200, y=60)

Input\_text = Text(root, font='arial 10', height=10, wrap=WORD, padx=5, pady=5, width=60)

Input\_text.place(x=30, y=100)

Label(root, text="Output", font='arial 13 bold', bg='white smoke').place(x=780, y=60)

Output\_text = Text(root, font='arial 10', height=10, wrap=WORD, padx=5, pady=5, width=60)

Output\_text.place(x=600, y=100)

# Language Selection Dropdowns

language\_dict = LANGUAGES # Get all languages

language\_names = list(language\_dict.values()) # Extract language names

src\_lang = ttk.Combobox(root, values=language\_names, width=22)

src\_lang.place(x=20, y=60)

src\_lang.set('English') # Default input language

dest\_lang = ttk.Combobox(root, values=language\_names, width=22)

dest\_lang.place(x=890, y=60)

dest\_lang.set('French') # Default output language

# Translation Function

language = list(LANGUAGES.values())

src\_lang = ttk.Combobox(root, values= language, width =22)

src\_lang.place(x=20,y=60)

src\_lang.set('choose input language')

dest\_lang = ttk.Combobox(root, values= language, width =22)

dest\_lang.place(x=890,y=60)

dest\_lang.set('choose output language')

######################################## Define function #######

def Translate():

translator = Translator()

translated=translator.translate(text= Input\_text.get(1.0, END) , src = src\_lang.get(), dest = dest\_lang.get())

Output\_text.delete(1.0, END)

Output\_text.insert(END, translated.text)

# Translate Button

trans\_btn = Button(root, text='Translate', font='arial 12 bold', pady=5, command=Translate, bg='royal blue1', activebackground='sky blue')

trans\_btn.place(x=490, y=350)

# Run Tkinter Loop

root.mainloop()