import tkinter as tk

import speech\_recognition as sr

window = tk.Tk()

window.title("Speech Recognition")

window.geometry("440x420")

window.config(bg='#990027')

def get\_inputan () :

name = str(entry\_field.get())

return name

def set\_inputan () :

panggil = get\_inputan()

if panggil.lower() == "indonesia" :

r = sr.Recognizer()

with sr.Microphone() as source:

audio = r.listen(source)

try:

text = r.recognize\_google(audio,language="id-ID")

except:

text = "Sorry could not recognize your voice"

elif panggil.lower() == "english" :

r = sr.Recognizer()

with sr.Microphone() as source:

audio = r.listen(source)

try:

text = r.recognize\_google(audio,language="en-EN")

except:

text = "Sorry could not recognize your voice"

elif panggil.lower() == "mandarin" :

r = sr.Recognizer()

with sr.Microphone() as source:

audio = r.listen(source)

try:

text = r.recognize\_google(audio,language="zh-ZH")

except:

text = "Sorry could not recognize your voice"

elif panggil.lower() == "java" :

r = sr.Recognizer()

with sr.Microphone() as source:

audio = r.listen(source)

try:

text = r.recognize\_google(audio,language="jv-JV")

except:

text = "Sorry could not recognize your voice"

else :

text = "Wrong Choice"

label\_nama.insert(tk.END, text)

label\_nama.insert(tk.END, " . ")

#LABEL

title = tk.Label(text = "SPEECH RECOGNITION PROGRAM", font = ("Adam.cg pro", 14), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 0)

title = tk.Label(text = "Artificial Intelligence Class", font = ("Ebrima", 12), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 1)

title = tk.Label(text = "Prof. Dr. techn. M. Isa Irawan, M.T.", font = ("Ebrima", 8), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 2)

title = tk.Label(text = "Venansius Ryan 06111540000043 | Vira Diana 06111540000067", font = ("Ebrima", 8), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 3)

title = tk.Label(text = "", font = ("Ebrima", 8), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 4)

title = tk.Label(text = "We Provide a Language Services in English, Indonesia, Mandarin, and Java", font = ("Ebrima", 10), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 5)

title = tk.Label(text = "Please choose one", font = ("Ebrima", 10), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 6)

title = tk.Label(text = "", font = ("Ebrima", 8), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 7)

#entry field

entry\_field = tk.Entry()

entry\_field.grid(column = 1, row = 8)

button1 = tk.Button(text = "Click Here!", bg = "grey", command = set\_inputan)

button1.grid(column = 1, row = 9)

title = tk.Label(text = "", font = ("Ebrima", 8), bg="#990027", fg = "#ffffff")

title.grid(column = 1, row = 10)

label\_nama = tk.Text(master=window, height = 10, width = 30)

label\_nama.grid(column = 1, row = 11)

window.mainloop()