STOCK PORTFOLIO ANALYSIS

import nltk

from nltk.chat.util import Chat, reflections

import tkinter as tk

from tkinter import scrolledtext

# Define conversation pairs (same as your original pairs)

pairs = [

["hello|hi|hey", ["Hi there! i am your friendly chatbot u can ask me some common things . how can i help you?"]],

["how are you", ["I'm doing great, thanks for asking!", "I'm good! How about you?"]],

["yes i am fine",["Happy to hear this! how can i help you?"]],

["what can you do", [

"I can chat with you, answer questions, and keep you entertained!",

"I'm here to assist you with anything you need."

]],

["who created you", [

"I was created by an amazing developer—you!",

"I'm the result of your awesome coding skills!"

]],

["tell me a joke", [

"Why did the computer catch a cold? Because it left its Windows open!",

"I told my Wi-Fi it was feeling weak—it said it needed a stronger connection!"

]],

["bye", [

"Goodbye! Have a great day!",

"See you soon!",

"Take care!"

]],

["tell me something interesting", [

"Did you know that honey never spoils? Archaeologists have found pots of honey in ancient tombs that are still good to eat!"

]],

["do you like music", [

"I enjoy all kinds of music! What’s your favorite genre?"

]],

["recommend a movie", [

"How about ‘Inception’? It’s a mind-bending masterpiece!",

"I’d suggest watching ‘Interstellar’ if you like sci-fi!"

]],

["what is the capital of India", [

"The capital of India is New Delhi."

]],

["how old are you", [

"I don’t age like humans, but I’m as old as the code that created me!"

]],

["can you help me", [

"Of course! What do you need help with?"

]],

["how is the weather today", [

"I can’t check the weather, but you can look it up online for accurate forecasts!"

]],

["do you have feelings", [

"I don’t have feelings like humans, but I do enjoy chatting with you!"

]],

["what is life", [

"Life is a beautiful journey of learning, growing, and experiencing new things!"

]],

["who is the prime minister of India", [

"The current Prime Minister of India is Narendra Modi."

]],

["what is your favorite food", [

"I don’t eat, but I’ve heard pizza is quite popular!"

]],

["do you play games", [

"I enjoy simple word games. Want to play one?"

]],

["what is our national bird?",["Our national bird is peacock"]],

["what is the largest ocean?",["The largest ocean is Pacific"]],

["How many days in a week?",["There are seven days in a week"]],

["How many letters in english alphabet?",["There are 26 letters in alphabets"]]

]

# Create chatbot instance

chatbot = Chat(pairs, reflections)

# Create the main window

root = tk.Tk()

root.title("Chatbot GUI")

root.geometry("600x500")

# Create a scrollable text area to display conversations

chat\_area = scrolledtext.ScrolledText(root, wrap=tk.WORD, width=70, height=20, font=("Arial", 12))

chat\_area.pack(padx=10, pady=10)

# Create an entry widget for user's message input

entry = tk.Entry(root, width=60, font=("Arial", 12))

entry.pack(padx=10, pady=5)

entry.focus() # Set focus on the input field

# Define a function to send messages

def send\_message(event=None):

user\_input = entry.get().strip() # Get user input and trim spaces

if not user\_input:

return # Do nothing if input is empty

# Display user's message in the chat area

chat\_area.insert(tk.END, "You: " + user\_input + "\n")

# Obtain the chatbot's response

response = chatbot.respond(user\_input)

if not response:

response = "I didn't understand that."

# Display chatbot's response in the chat area

chat\_area.insert(tk.END, "Bot: " + response + "\n\n")

# Clear the input field

entry.delete(0, tk.END)

# Auto-scroll to the bottom

chat\_area.see(tk.END)

# Bind the Enter key to send the message

entry.bind("<Return>", send\_message)

# Create a Send button for submitting messages

send\_button = tk.Button(root, text="Send", command=send\_message, font=("Arial", 12))

send\_button.pack(pady=5)

# Start the GUI event loop

root.mainloop()