import random

# Responses for the chatbot

responses = {

"greeting": ["Hello!", "Hi there!", "Hey, how are you?"],

"encouragement": ["I believe in you!", "You're not alone in this.", "You're stronger than you think."],

"comfort": ["It's okay to feel this way.", "Take a deep breath. Everything will be alright."],

"advice": ["Try to focus on the present moment.", "Remember to take care of yourself.", "Reach out to someone you trust for support."],

"farewell": ["Take care!", "Remember, I'm here for you anytime.", "Goodbye!"]

}

# Function to classify sentiment

def classify\_sentiment(message):

# Placeholder function, you can replace it with a more sophisticated sentiment analysis model

# For simplicity, we just check for some keywords

if any(word in message.lower() for word in ['depressed', 'anxious', 'sad']):

return 'negative'

else:

return 'neutral'

# Function to generate a response based on sentiment

def generate\_response(sentiment):

if sentiment == 'negative':

return random.choice(responses['comfort'])

else:

return random.choice(responses['encouragement'])

# Main interaction loop

def chat():

print("AI Therapist: " + random.choice(responses['greeting']))

while True:

user\_input = input("You: ").strip().lower()

if user\_input == 'exit':

print("AI Therapist: " + random.choice(responses['farewell']))

break

sentiment = classify\_sentiment(user\_input)

response = generate\_response(sentiment)

print("AI Therapist:", response)

# Start the conversation

if \_\_name\_\_ == "\_\_main\_\_":

print("Welcome to the AI Therapist!")

print("You can type 'exit' at any time to end the conversation.")

chat()