import nltk

from nltk.chat.util import Chat, reflections

# Define pairs of patterns and responses

pairs = [

[

r"my name is (.\*)",

["Hello %1, how can I help you today?",]

],

[

r"what is your name?",

["My name is ChatGPT and I'm here to assist you.",]

],

[

r"how are you ?",

["I'm doing well, thank you!",]

],

[

r"sorry (.\*)",

["It's okay, no problem.",]

],

[

r"(.\*) (hungry|tired|bored)(.\*)",

["I'm just a computer program, so I don't get hungry, tired, or bored!",]

],

[

r"quit",

["Bye, take care. See you soon!"]

],

]

# Create a chatbot instance

chatbot = Chat(pairs, reflections)

# Define a function to interact with the chatbot

def chat():

print("Hi! I'm ChatGPT. How can I assist you today?")

while True:

user\_input = input("You: ")

if user\_input.lower() == "quit":

print("Chatbot: Bye, take care. See you soon!")

break

response = chatbot.respond(user\_input)

print("Chatbot:", response)

# Start the conversation

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

chat()