import nltk

from nltk.chat.util import Chat, reflections

# Pairs is a list of patterns and responses.

# The patterns are regular expressions used to match user input.

# The responses are the chatbot's replies.

pairs = [

[

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

["Hello %1, How are you today?",]

],

[

r"hi|hey|hello",

["Hello", "Hey there",]

],

[

r"what is your name?",

["I am a bot created by you. You can call me Chatbot.",]

],

[

r"how are you ?",

["I'm doing good\nHow about You?",]

],

[

r"sorry (.\*)",

["Its alright","Its OK, never mind",]

],

[

r"i'm (.\*) doing good",

["Nice to hear that","Alright :)",]

],

[

r"(.\*) age?",

["I'm a computer program dude\nSeriously you are asking me this?",]

],

[

r"what (.\*) want?",

["Make me an offer I can't refuse",]

],

[

r"(.\*) created?",

["I was created by a team of developers.",]

],

[

r"(.\*) (location|city) ?",

['I live in the cloud.',]

],

[

r"how is weather in (.\*)?",

["Weather in %1 is awesome like always", "Too hot here in %1", "Too cold here in %1", "Never even heard about %1"]

],

[

r"i work in (.\*)?",

["%1 is an amazing company, I have heard about it.",]

],

[

r"(.\*)raining in (.\*)",

["No rain in %2", "Its raining heavily in %2",]

],

[

r"how (.\*) health(.\*)",

["I'm a computer program, so I'm always healthy.",]

],

[

r"(.\*) (sports|game) ?",

["I'm a very big fan of Football",]

],

[

r"who (.\*) (moviestar|actor)?",

["My favorite is Tom Cruise",]

],

[

r"quit",

["Bye for now. See you soon :) ","It was nice talking to you. See you soon :)"]

],

[

r"(.\*)",

["Sorry, I didn't understand that.",]

],

]

# Default reflections

chatbot\_reflections = reflections

# Create Chat instance

chatbot = Chat(pairs, chatbot\_reflections)

def chatbot\_conversation():

print("Hi, I'm your chatbot! Type 'quit' to exit.")

chatbot.converse()

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

chatbot\_conversation()