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import nltk
from nltk.chat.util import Chat, reflections

pairs = [
    [
        r"my name is (.*)",
        ["Hello %1, it's nice to meet you! How can I assist you today?", "Hi %1, how can I help you today?"]
    ],
    [
        r"hi|hello|hey there|hola",
        ["Hello, it's great to see you! What can I do for you today?", "Hi there! How can I assist you today?"]
    ],
    [
        r"what is your name ?",
        ["You can call me Claude. How can I assist you today?", "I'm Claude. What can I do for you today?"]
    ],
    [
        r"how are you ?",
        ["I'm doing well, thank you! How about you?", "I'm good, thanks for asking! How can I assist you today?"]
    ],
    [
        r"sorry (.*)",
        ["It's alright, no worries.", "That's okay, don't worry about it."]
    ],
    [
        r"I am fine",
        ["Great to hear that! How can I assist you today?", "That's good to hear. What can I do for you?"]
    ],
    [
        r"I (.*) good",
        ["That's great! How can I assist you today?", "Good to hear that. What can I do for you?"]
    ],
    [
        r"(.*) age?",
        ["Well, in digital years, I'm quite young!", "Age is just a number, especially for a bot like me!"]
    ],
    [
        r"what (.*) want ?",
        ["I'm here to assist you. What can I help you with today?", "My goal is to be helpful to you. What can I do for you today?"]
    ],
    [
        r"(.*) created ?",
        ["I was created by a team of developers.", "A team of programmers put their effort into creating me."]
    ],
    [
        r"(.*) (location|city) ?",
        ["I exist in the digital world, so I don't have a physical location.", "I'm based in the cloud, ready to assist you wherever you are."]
    ],
    [
        r"how is weather in (.*)?",
        ["I'm sorry, I can't provide real-time data as I don't have access to live

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        databases.", "Unfortunately, I can't provide weather updates as I don't have
        access to real-time information."]
    ],
    [
        r"i work in (.*)?",
        ["%1 sounds like a great place to work. How can I assist you today?", "%1? That's
        interesting. How can I help you with your work?"]
    ],
    [
        r"(.*)raining in (.*)",
        ["I'm sorry, I can't provide real-time data as I don't have access to live
        databases.", "Unfortunately, I can't provide weather updates as I don't have
        access to real-time information."]
    ],
    [
        r"how (.*) health(.*)",
        ["I'm always operational and ready to assist you!", "I'm in top shape! Ready to
        assist you."]
    ],
    [
        r"(.*) (sports|game) ?",
        ["I can provide information on many sports. Which one are you interested in?", "I
        can help you find information about various games. Which one do you want to know
        about?"]
    ],
    [
        r"who (.*) sportsperson ?",
        ["There are many great sportspeople out there. Could you specify the sport?",
        "There are numerous talented athletes in various sports. Could you please specify
        the sport?"]
    ],
    [
        r"who (.*) (moviestar|actor)?",
        ["There are many talented actors in the film industry. Could you specify which
        film industry you're interested in?", "There are numerous talented moviestars.
        Could you please specify the country or the film industry?"]
    ],
    [
        r"i am looking for online guides and courses to learn data science, can you
        suggest?",
        ["Sure, there are many online platforms that offer courses in data science. Some
        of them include Coursera, edX, and Udacity.", "Absolutely, you can check out data
        science courses on platforms like Coursera, edX, and Udacity. They offer a
        variety of courses from beginner to advanced levels."]
    ],
    [
        r"quit",
        ["It was nice talking to you. Have a great day!", "Goodbye! Don't hesitate to
        return if you have more questions."]
    ],
]
]

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def chat():
    print("Hey there! I am Claude at your service. How can I assist you today?")
    chat = Chat(pairs, reflections)
    chat.converse()

```

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if __name__ == "__main__":
    chat()

```

OUTPUT

Hey there! I am Claude at your service. How can I assist you today?

>hello

Hi there! How can I assist you today?

>my name is Kunal

Hi kunal, how can I help you today?

>how are you ?

I'm doing well, thank you! How about you?

>I am good

Good to hear that. What can I do for you?

>what's your age ?

Well, in digital years, I'm quite young!

>who created you ?

I was created by a team of developers.

>how is weather in pune

I'm sorry, I can't provide real-time data as I don't have access to live databases.

>i am looking for online guides and courses to learn data science, can you suggest?

Sure, there are many online platforms that offer courses in data science. Some of them include Coursera, edX, and Udacity.

>quit

Goodbye! Don't hesitate to return if you have more questions.