Chatbot

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


# Pairs is a list of patterns and responses.


pairs = [
    [
        r"(.*)my name is (.*)",
        ["Hello %2, How are you today ?",]
    ],
    [
        r"(.*)help(.*) ",
        ["I can help you ",]
    ],
    [
        r"(.*) your name ?",
        ["My name is thecleverprogrammer, but you can just call me robot and I'm a chatbot .",]
    ],
    [
        r"how are you (.*) ?",
        ["I'm doing very well", "i am great !"]
    ],
    [
        r"sorry (.*)",
        ["Its alright","Its OK, never mind that",]
    ],
```

```
[
    r"i'm (.*) (good|well|okay|ok)",
    ["Nice to hear that","Alright, great !",]
],
[
    r"(hi|hey|hello|hola|holla)(.*)",
    ["Hello", "Hey there",]
],
[
    r"what (.*) want ?",
    ["Make me an offer I can't refuse",]


],
[
    r"(.*)created(.*)",
    ["prakash created me using Python's NLTK library ","top secret ;)",]
],
[
    r"(.*) (location|city) ?",
    ['hyderabad, India',]
],
[
    r"(.*)raining in (.*)",
    ["No rain in the past 4 days here in %2","In %2 there is a 50% chance of rain",]
],
[
    r"how (.*) health (.*)",
```

```python
        ["Health is very important, but I am a computer, so I don't need to worry about my health ",]
    ],
    [
        r"(.*)(sports|game|sport)(.*)",
        ["I'm a very big fan of Cricket",]
    ],
    [
        r"who (.*) (Cricketer|Batsman)?",
        ["Virat Kohli"]
    ],
    [
        r"quit",
        ["Bye for now. See you soon :) ","It was nice talking to you. See you soon :)"]
    ],
    [
        r"(.*)",
        ['our customer service will reach you']
    ],
]


#default message at start  of chat
print("Hi, I'm thecleverprogrammer and I like to chat\nPlease type lowercase English language to start a conversation. Type quit to leave ")


chat = Chat(pairs, reflections)


chat.converse()
```