

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

```
reflections = {
  "i am"       : "you are",
  "i was"      : "you were",
  "i"          : "you",
  "i'm"        : "you are",
  "i'd"        : "you would",
  "i've"       : "you have",
  "i'll"       : "you will",
  "my"         : "your",
  "you are"    : "I am",
  "you were"   : "I was",
  "you've"     : "I have",
  "you'll"     : "I will",
  "your"       : "my",
  "yours"      : "mine",
  "you"        : "me",
  "me"         : "you"
}
```

```
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!, you can call me crazy!"],
  ],
  [
    r"how are you ?",
    ["I'm doing goodnHow about You ?",]
  ],
  [
    r"sorry (.*)",
    ["Its alright","Its OK, never mind",]
  ],
  [
    r"I am fine",
    ["Great to hear that, How can I help you?",]
  ],
  [
    r"i'm (.*) doing good",
    ["Nice to hear that","How can I help you?:)"],
  ],
  [
    r"(.*) age?",
    ["I'm a computer program dudenSeriously you are asking me this?"],
  ],
  [
    r"what (.*) want ?",
    ["Make me an offer I can't refuse",]
  ],
  [
    r"(.*) created ?",
    ["Someone created me using Python's NLTK library ","top secret ;"),]
  ],
  [
    r"(.*) (location|city) ?",
    ['Indore, Madhya Pradesh',]
  ],
  [
    r"how is weather in (.*)?",
    ["Weather in %1 is awesome like always","Too hot man here in %1","Too cold man here in %1","Never even heard about %1"]
  ],
  [
    r"i work in (.*)?",
    ["%1 is an Amazing company, I have heard about it. But they are in huge loss these days.",]
  ],
  [
    r"(.*)raining in (.*)",
    ["No rain since last week here in %2","Damn its raining too much here 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 (.*?) sportsperson ?",
    ["Messy", "Ronaldo", "Roony"]
],
[
    r"who (.*?) (moviestar|actor)?",
    ["Brad Pitt"]
],
[
    r"i am looking for online guides and courses to learn data science, can you suggest?",
    ["Crazy_Tech has many great articles with each step explanation along with code, you can explore"]
],
[
    r"quit",
    ["BBye take care. See you soon :) ", "It was nice talking to you. See you soon :)"]
],
]

```

```

def chat():
    print("Hi! I am a chatbot!, i am available for your service")
    chat = Chat(pairs, reflections)
    chat.converse()
#initiate the conversation
if __name__ == "__main__":
    chat()

```

```

Hi! I am a chatbot!, i am available for your service
>hi i am shweta
Hey there
>how is your health?
I'm a computer program, so I'm always healthy
>How is weather in pune?
Weather in pune? is awesome like always
>my localtion?
None
>what is your name ?
I am a bot!, you can call me crazy!
>what is your age?
I'm a computer program dudenSeriously you are asking me this?
>okay quit
None
>quit
It was nice talking to you. See you soon :)

```