

from nltk.chat.util import Chat, reflections

```
pairs = [
    [
        r"my name is(.*)",
        ["Hello %1, how are you today?",""],
    ],
    [
        r"what is your name?",
        ["My name is Jarvis and I will help you with your finacial queries today."],
    ],
    [
        r"where to put(.*)money",
        ["Basically there are many options to invest-\n 1. Regional and \n 2. Stocks.\n\nIn which section would you like to invest?",""],
    ],
    [
        r"1|Regional(.*)",
        ["There are many- SBI,HSBC,DB. Which bank would you like to go for?",""],
    ],
    [
        r"SBI(.*)",
        ["SBI offers 10 percent Interest."],
    ],
    [
        r"DB(.*)",
        ["DB offers 09 percent Interest."],
    ],
    [
        r"HSBC(.*)",
        ["HSBC offers 11 percent Interest."],
    ],
    [
        r"2|(.*)Stocks(.*)",
        ["We have 2 companies to offer: 1. AAA 2. BBB.\n choose any one to know more.\n"],
    ],
    [
        r"AAA(.*)",
        ["The company AAA has a ROI = 11 percent"],
    ],
    [
        r"BBB(.*)",
        ["The company BBB has a ROI = 15 percent"],
    ],
    [
        r"hi|hey|hello(.*)",
        ["Hello", "Hey there"],
    ],
    [
        r"exit|quit|q",
        ["Signing out, see you again ^_^"],
    ],
]
```

```
def chatbot():
    """Chat is the class that contains all the logic to be used by the chatbot,
    reflections is a predefined dictionary containing a set of input values and it's corresponding output values
    """
    print("Booting up.....\nHey there. I'm a simple ChatBot made without ML, only using NLTK library.")
    print("Please type in English language (lower case) what you want to ask me.\nPress enter Q to exit")
    chat = Chat(pairs, reflections)
    chat.converse()
```

```
if __name__ == "__main__":
    chatbot()
```

