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Assignment 5: 5. Develop an elementary chatbot for any suitable customer interaction application.

Code:

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

pairs=[
    #
    [
        r"my name is (.*)",
        ["Hello %1, How are you"]
    ],
    # Or expression
    [
        r"Hi|Hello|Hey there|Hola",
        ["Hello my name is Hiesenberg"]
    ],
    [
        r"what is your name ?",
        ["I am a bot created by Heisenbergwhat. you can call me crazy!"],
    ],
    [
        r"how are you ?",
        ["I'm doing good How 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 (.*) good",
        ["Nice to hear that","How can I help you?:)"],
    ],
    [
        r"(.*) age?",
        ["I'm a computer program dude Seriously you are asking me this?"],
    ],
    [
```

```

        r"what (.*?) want ?",
        ["Make me an offer I can't refuse",]
    ],
    [
        r"(.*) created ?",
        ["Raghav 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",
    ["Thank you for using our intelligence services"]
],

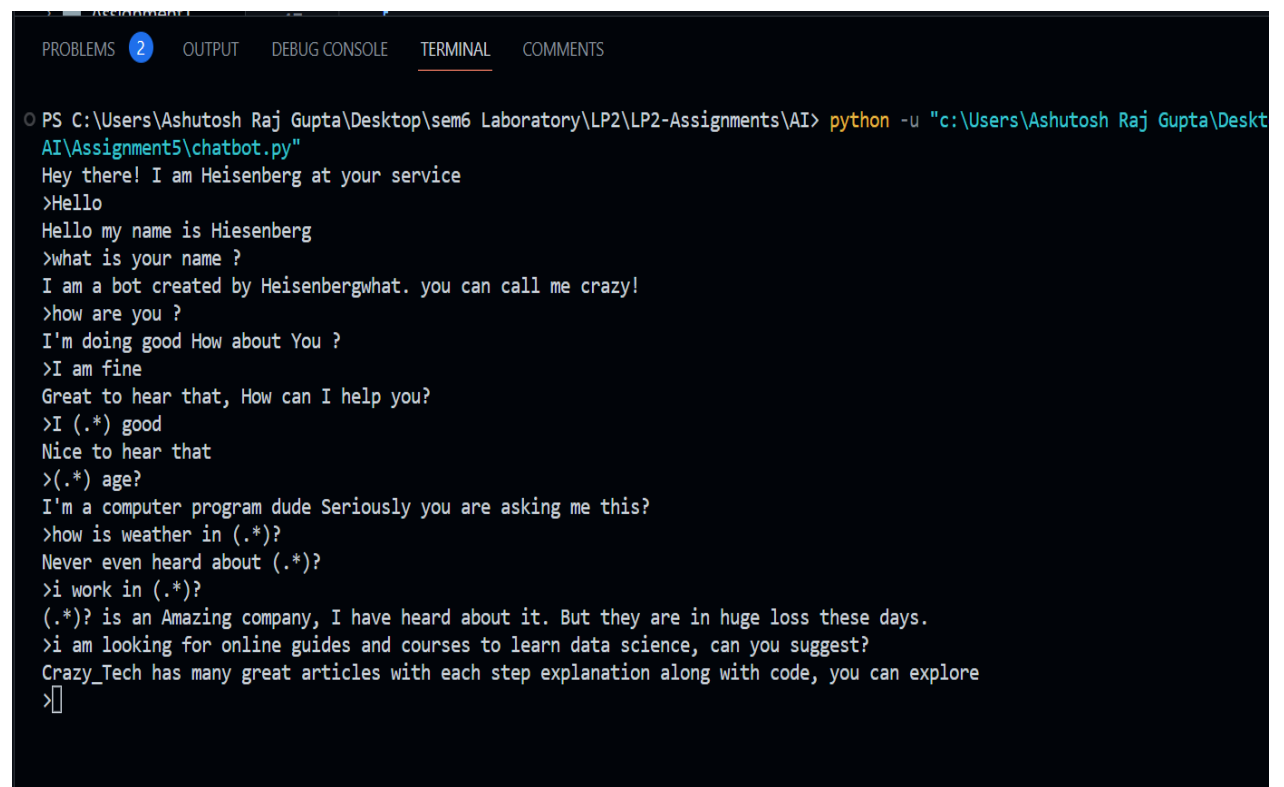
]

def chat():
    print("Hey there! I am Heisenberg at your service")
    chat = Chat(pairs)
    chat.converse()

if __name__ == "__main__":
    chat()

```

output:



```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
○ PS C:\Users\Ashutosh Raj Gupta\Desktop\sem6 Laboratory\LP2\LP2-Assignments\AI> python -u "c:\Users\Ashutosh Raj Gupta\Desktop\sem6 Laboratory\LP2\LP2-Assignments\AI\Assignment5\chatbot.py"
Hey there! I am Heisenberg at your service
>Hello
Hello my name is Hiesenberg
>what is your name ?
I am a bot created by Heisenbergwhat. you can call me crazy!
>how are you ?
I'm doing good How about You ?
>I am fine
Great to hear that, How can I help you?
>I (.*?) good
Nice to hear that
>(.*?) age?
I'm a computer program dude Seriously you are asking me this?
>how is weather in (.*?)?
Never even heard about (.*?)?
>i work in (.*?)?
(.*?)? is an Amazing company, I have heard about it. But they are in huge loss these days.
>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
>

```