

```
import nltk

from nltk.chat.util import Chat, reflections

# Define the chatbot responses

pairs = [

    [

        r"hi|hello|hey",

        ["Hello!", "Hi there!", "Hey! How can I help you today?"],

    ],

    [

        r"what is your name?",

        ["I'm a chatbot. You can call me ChatGPT."],

    ],

    [

        r"how are you ?",

        ["I'm just a computer program, but I'm here to help you."],

    ],

    [

        r"what can you do for me?",

        ["I can answer questions and have basic conversations. Feel free to ask me anything."],

    ],

    [

        r"bye|goodbye",

        ["Goodbye! Have a great day.", "Bye!"],

    ],

]
```

```
]
```

```
# Create and initialize the chatbot
```

```
chatbot = Chat(pairs, reflections)
```

```
# Main loop for chatting
```

```
print("Hello! I'm your chatbot. You can type 'bye' to exit.")
```

```
while True:
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```
    user_input = input("You: ")
```

```
    if user_input.lower() == "bye":
```

```
        print("ChatGPT: Goodbye!")
```

```
        break
```

```
    response = chatbot.respond(user_input)
```

```
    print("ChatGPT:", response)
```

```
output:
```

```
Hello! I'm your chatbot. You can type 'bye' to exit.  
You: hi  
ChatGPT: Hi there!  
You: what is your name  
ChatGPT: I'm a chatbot. You can call me ChatGPT.  
You: ok donee  
ChatGPT: None  
You: how are you  
ChatGPT: I'm just a computer program, but I'm here to help you.  
You: okk  
ChatGPT: None
```