

Practical No: 1

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Aim: : Implement a Simple chatbot with predefined responses

Code:

```
def chatbot():
    print("Bot: Hi! I am a Simple Chatbot. Type 'bye' to exit.")
    responses = {
        'hi': 'Hello','hello': 'Hi there!',
        'how are you?': 'I am doing great, hope you are fine.',
        'what is your name?': 'I am Chatbot 2.0',
        'bye': 'Goodbye! Have a nice day.' }

    while True:
        userinput = input("You: ").lower().strip()
        if userinput == 'bye':
            print(f"Bot: {responses['bye']}")
            break
        response = responses.get(userinput, "Sorry, I don't understand that.")
        print(f"Bot: {response}")

chatbot()
```

Output:

```
Bot: Hi! I am a Simple Chatbot. Type 'bye' to exit.
You: hi
Bot: Hello
You: hello
Bot: Hi there!
You: how are you?
Bot: I am doing great, hope you are fine.
You: what is your name?
Bot: I am Chatbot 2.0
You: bye
Bot: Goodbye! Have a nice day.
```