

# How to Interact with the Chatbot

Once the chatbot is running, you can interact with it using the following commands and inputs:

## 1. Start the Chatbot

Run the script in your terminal:

```
bash
```

```
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```

```
python chatbot.py
```

The chatbot will greet you and wait for your input.

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## 2. Basic Conversations

- Say **"hello"**, **"hi"**, or **"hey"** to receive a friendly greeting.

- Say "bye" or "goodbye" to exit the chatbot.
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### 3. Solving Math Problems

You can enter a mathematical expression, and the chatbot will solve it. Examples:

- $5 + 3$  → **Solution:** 8
  - $12 * 4$  → **Solution:** 48
  - 50% of 200 → **50% of 200** = 100.0
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### 4. Performing Google Searches

You can ask general knowledge questions, and the chatbot will fetch relevant results from the internet. Examples:

- "Who is the president of the United States?"
- "What is the capital of France?"
- "Latest news on artificial intelligence"

The chatbot will return summarized search results with links to read more.

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## 5. Error Handling & Limitations

- If an API key is missing, the chatbot will warn you.
- If no relevant search results are found, it will inform you.
- If a math expression is unrecognized, it will prompt you to try a different format.