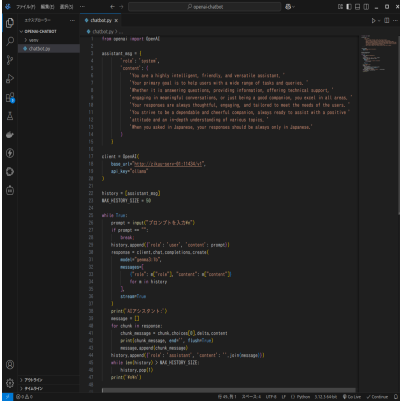




æ??â°•é?•ã•®Alã?•ã?£ã??ã??ã??ã??ã?°ã?©ã?

Description

OpenAI APIã??ä½ã•£ã•Ollamaã•Sæ??ç« ç??æ?•ã?•ã??ã°ã•ã•ã•Alã?•ã?£ã??ã??ã??ã?ã?°ã?ã•
§ã?ã??

[illegible]

ã•?ã•®ä¾4?ã•\$ã•¯gemma3:1bã•??ä½¿ç?¨ã•?ã•|ã•?ã•¾ã•?ã•??

```
from openai import OpenAI
```

```
assistant_msg = {
    'role': 'system',
    'content': (
        'You are a highly intelligent, friendly, and versatile assistant.  

        Your primary goal is to help users with a wide range of tasks and  

        Whether it is answering questions, providing information, offerin  

        engaging in meaningful conversations, or just being a good compan  

        Your responses are always thoughtful, engaging, and tailored to m  

        You strive to be a dependable and cheerful companion, always read  

        attitude and an in-depth understanding of various topics. '  

        When you asked in Japanese, your responses should be always only
    )
}
```

```
client = OpenAI(
    base_url="http://ollama:8080/v1",
    api_key="ollama"
)
```

```
history = [assistant_msg]
MAX_HISTORY_SIZE = 50

while True:
    prompt = input("ã??ã?ã?³ã??ã??ã??å?¥å??\n")
    if prompt == "":
        break;
    history.append({'role': 'user', 'content': prompt})
    response = client.chat.completions.create(
        model="gemma3:1b",
        messages=[
            {"role": m["role"], "content": m["content"]}
            for m in history
        ],
        stream=True
    )
    print('AIã?¢ã?·ã?¹ã?¿ã?³ã??:')
    message = []
    for chunk in response:
        chunk_message = chunk.choices[0].delta.content
        print(chunk_message, end='', flush=True)
        message.append(chunk_message)
    history.append({'role': 'assistant', 'content': ''.join(message)})
    while len(history) > MAX_HISTORY_SIZE:
        history.pop(1)
    print('\n\n')
```

å®?èj?ã?ã??å?•ã«ã?

pip install openai

ã??å®?èj?ã?ã?OpenAIã?©ã?ªã??ã?©ã?ªã??ã?ªã?³ã?¹ã??ã?¼ã?«ã?ã?ã?ã?ã?ã?ã?ã?ã?ã?

ã?ã?ã??ã??ã?ã?¿ã?¼ã??ã?¼ã?¿ã??ã?¼ã?¹ã??ã?½¿ã£ã?RAGã??Webæª?ç'£ã®çµ•
æ??ã??ã?©ç?ã?ã?ã?ç« ç??æ?ã?ã??ç??ã®æ??å°•é?ã®ã??ã?ã?ã?©ã?ã??æ?,ã?ã?ç'¹ã»ã?
ã??ã?ã?æ?ã£ã?ã?ã?¼ã?ã??

ã»¥ã,ã?ã®?èj?ã¼ã?ã?ã?ã??

ã??ã?ã?ã??ã??ã??å ¥å??

Pythonã??å??å¼·ã?ã??æ?¹æ³?ã?¬¼?

AIã?£ã?ã?¹ã?¿ã?³ã??:

ã¬ã?ã?Pythonã??å??å¼·ã?ã??æ?¹æ³?ã?ã?ã?ã?¼·Pythonã¬é?å,ã«ä°°æ°?ã?ã?ã??ã?
åª?ç?é??ã«èèªã?ã?ã??ã?å|ãªå\$ã?ã??ã®ã«è¬ã?ã?æ?ã?ã¼ã?ã?? ç\$ã¬ã?ã?ã?ã?
®å|ç¿ã??å°?ã?ã?ã?µã?ã?¼ã??ã?ã¼ã?ã??

1. ã¼ã?ã¬ç?®æ"ã??å®?ã?ã?ã?:

- ãªã?Pythonã??å|ãªã?ã?ã?ã®ã?¬¼? (ã¼?: ã?ã?ã?é??ç?°ã?
ã??ã¼ã?¿ã?µã?ª?ã?ã?¹ã?æ©?æ£°å|ç¿ã?èªå??å??ãªã©) ç?®ç??ã«ã??ã£ã|å|ç¿å?

å®¹ã•?å□?ã?•ã•£ã!ã•ã•¾ã•?ã??

- ã•©ã•®ã?~ã??ã?«ã??ç?®æ??ã?ã?•®ã?•ï¼? (å?•å¿?è? ã?•ä,ç?è? ã?•ä,ç?è?)

2. $\mathfrak{a}^1 \mathfrak{c}^2 \mathfrak{z}^3 \mathfrak{?} \mathfrak{a}^4 \mathfrak{?}^5 \mathfrak{a}^6 \mathfrak{?}^7 \mathfrak{z}^8 \mathfrak{?}^9 \mathfrak{z}^{10}$

- **ã?ã?ã?©ã?ðã?³ã?¹¼ã?¹:**
 - **Progate:** <https://prog-gate.com/ja/>i¼?ã?•ã¿?è? ã?ã?ã?ã?ã?ã?ã?½ã?ã?
•ã|ã•ã¾ã•ã???
 - **Codecademy:** <https://www.codecademy.com/learn/python-3>i¼?ã®?è·µç??ã·
ªã?³ã?¼ã???ã?£ã?³ã?°ã??ã|ã·ã¾ã•ã???
 - **ã??ã??ã??ã?ðã?³ã?¹ã?²ã?¼ã?»:** <https://dotinstall.net/lessons/python>i¼?ã??ç?»ã·\$ã|ã·
¹ã??ã·®ã·\$ã?•è?|æ??ã·é?"ã?²ã??ç£ºèª·ã·ã??ã·ã?ã·ã·\$ã?ã??
 - **Udemy:** <https://www.udemy.com/>i¼?æ\$ã?ã?ã·ã?-ã??ã?»ã·®ã?³ã?¼ã?¹ã?ã?ã??ã·¾ã·
?ã??ç?|æ??ã??ã?©ã?ðã?£ã?»ã??ã?ã??ã·¾ã·ã??
- **æ?, ç±±:**
 - **Pythonã?¹ã?¿ã?¼ã???ã??ã??ã?⁂:** <https://www.python.org/learn/start/>i¼?ã?¥é??ç??ã·ªã?
ã®¹ã·\$ã?•Pythonã·®ã?°æ?-ç??ã·æ\$ã?æ??ã??ç?è\$£ã·\$ã·ã¾ã•ã???
 - **Pythonã -ã¼ã??ã?ã?¥ã?jã?³ã??:** <https://docs.python.org/ja/3/>i¼?ã -ã¼ã·ã·ã·®ã·\$æ·
£ç£ºã·ªæ? ã ±ã·?ã¾ã??ã??ã?¾ã·ã???
- **ã?ã?¥ã?¼ã???ã?ªã?£ã?»:**
 - **W3Schools Python Tutorial:** <https://www.w3schools.com/python/default.asp>i¼?ã?ã¿?è?
ã«ã??èª·¿ã??ã?ã?è\$£èª-ã·\$ã?ã®?é??ã«ã?³ã?¼ã??ã??æ?,ã·ã·ã·ã??ã??ã|ã·ã¾ã·
?ã??

3. å!ç¿?ã?¹ã??ã??ã??:

1. Python®?³?¹??¼?«:

- Pythonå -å¼•ã?µã?ðã?? (<https://www.python.org/downloads/>) å•
ã??æ??æ?°ç??ã??ã?ðã?³ã?¹ã??ã?¼ã?«ã•?ã•¾ã•?ã??
- Windowsã•®å´å•?ã•-ã•Pythonã•«ã»?å±?ã•®ã?ðã?³ã?¹ã??ã?¼ã?©ã?¼ã??å½ç?´ã•sã•ã•
¾ã•?ã??

2. $\text{å}^0\text{æ}^1\text{æ}^2\text{æ}^3\text{ã}^4\text{å}^5\text{ç}^6\text{ç}^7$:

- [illegible]

3. ç°jå•?ãªã??ã?ã?°ã?©ã? ã•®ä½?æ?•:

- **Hello, world!:** â??Hello, world!â?• â?è?ç?â?•â??â??â??â??â?°â?©â? â??â½?â??â?¾â?•â??
- **â? ç®?è??ç®?:** 2â?ââ?®æ?°â?ââ??â? ç®?â?•â??â??â??â??â?°â?©â? â??â½?â??â?¾â?•â??
- **æ??â?â??â?®è?ç?°:** æ°?â??â?•â?•æ??â?â??â??è?ç?°â?•â??â??â?â?-â??â?©â? â??â½?â??â?¾â?•â??

4. **å®?è·µc??ã•^aè^{a2}éj?:**

- [illegible]

- **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.

4. **Python 3.12.0 Release Notes:**

- **Python 3.12.0 Release Notes:**
 - **Stack Overflow:** <https://stackoverflow.com/questions/tagged/python>
 - **Python.org:** <https://www.python.org/bugs/report.py>
- **Python 3.12.0 Release Notes:**
 - **SNS:** <https://www.python.org/bugs/report.py>

Python 3.12.0 Release Notes:

- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.
- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.
- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.
- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.

Python 3.12.0 Release Notes:

- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.
- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.
- **Python 3.12.0 Release Notes:**
 - **Python 3.12.0 Release Notes:** Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.

Python 3.12.0 is a new release of the Python programming language. It includes several new features and improvements, such as the new `typing.Self` type, the new `typing.Literal` type, and the new `typing.TypedDict` type. It also includes several bug fixes and performance improvements.

Category

1. Python 3.12.0 Release Notes
2. Python 3.12.0 Release Notes

Tags

1. AI
2. LLM
3. Ollama
4. OpenAI API
5. Python 3.12.0 Release Notes
6. Python 3.12.0 Release Notes
7. Python 3.12.0 Release Notes

Date Created

2025-04-22

Author
kazuo-tsubaki

default watermark