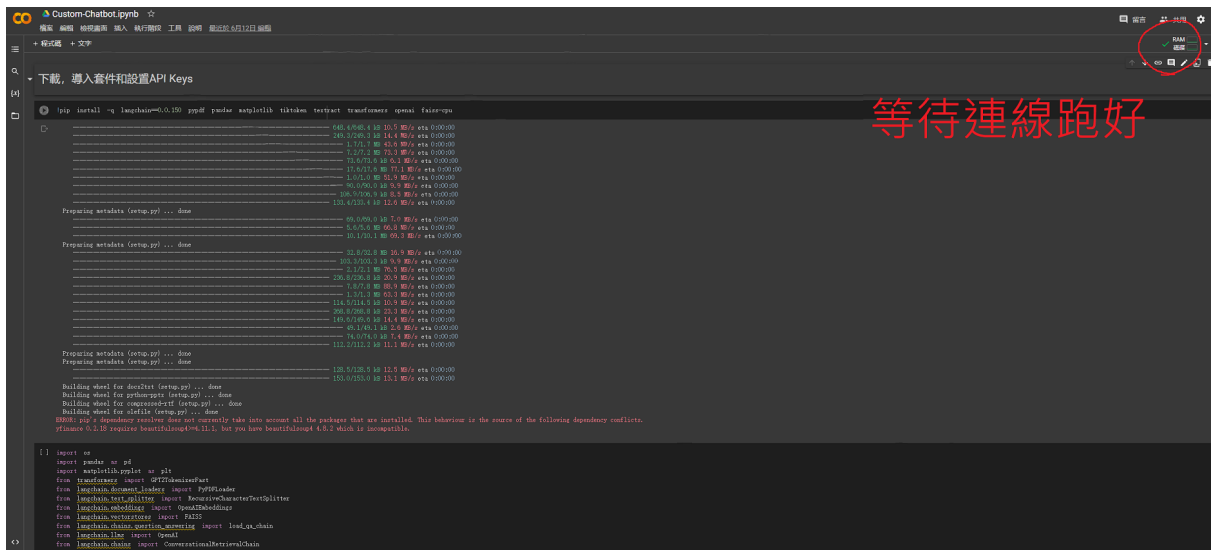


Document

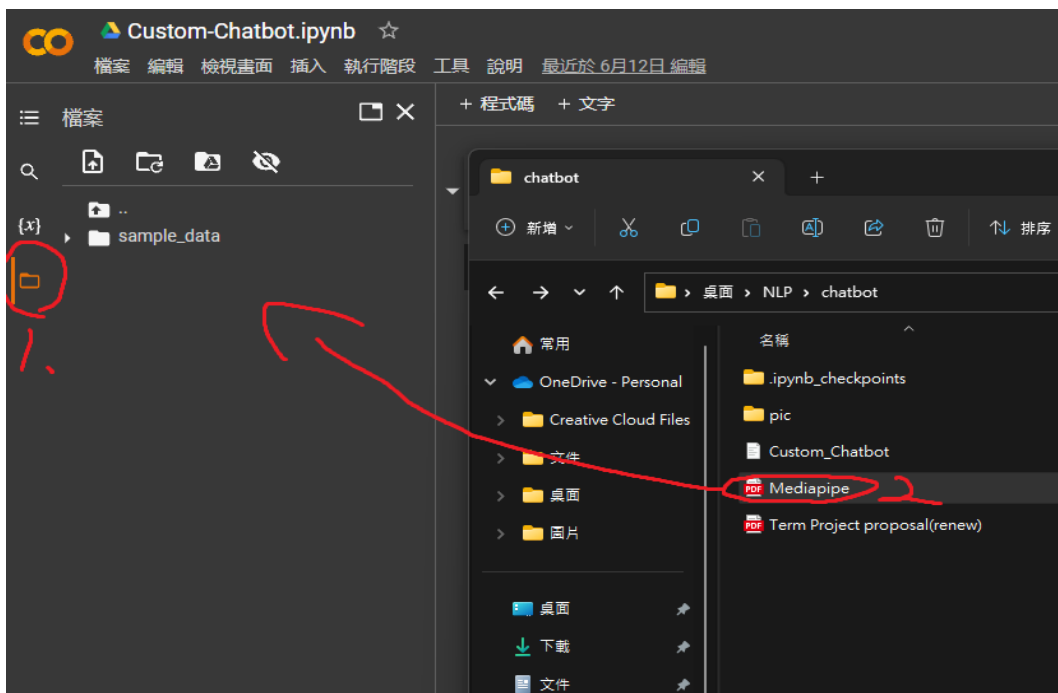
主題: 自訂義Chatbot

操作說明:

1. 使用colab開啟, 並等待連線完成



2. 將檔案夾開啟, 並將指定PDF檔拖入



3. 將其替換為個人的API KEY(需登入OpenAI帳號)

```
os.environ["OPENAI_API_KEY"] = "YOUR_API_KEY"
```

4. 從上到下依序執行，最後便能使用CHATBOT

創建聊天機器人

```
from IPython.display import display
import ipywidgets as widgets

# Create conversation chain that uses our vectordb as retriever, this also allows for chat history m
qa = ConversationalRetrievalChain.from_llm(OpenAI(temperature=0.1), db.as_retriever())

chat_history = []

def on_submit():
    query = input_box.value
    input_box.value = ""

    if query.lower() == 'exit':
        print("Thank you for using the State of the Union chatbot!")
        return

    result = qa({"question": query, "chat_history": chat_history})
    chat_history.append((query, result['answer']))

    display(widgets.HTML(f'<b><font color="yellow">User:</font></b> {query}'))
    display(widgets.HTML(f'<b><font color="blue">Chatbot:</font></b> {result["answer"]}'))

print("Welcome to the Transformers chatbot! Type 'exit' to stop.")

input_box = widgets.Text(placeholder='Please enter your question:')
input_box.on_submit(on_submit)

display(input_box)
```

Welcome to the Transformers chatbot! Type 'exit' to stop.

Please enter your question:

User: what can mediapipe do?

Chatbot: Mediapipe is a framework for building cross-platform ML solutions. It can be used to build a hand tracking pipeline that predicts a h

User: is that good?

Chatbot: Yes, Mediapipe is a good framework for building cross-platform ML solutions. It provides an extensible set of Calculators to solve ta

GPU acceleration.

User: who am i?

Chatbot: You are not mentioned in the context.

Thank you for using the State of the Union chatbot!