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#Write a Python script to send a prompt "Explain how rainbows are formed" using OpenAI's GPT-3.5 Turbo or Hugging Face Transformers and print


from huggingface_hub import InferenceClient

client = InferenceClient(
    "meta-llama/Meta-Llama-3-8B-Instruct",
    token="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"
)

messages = [
    {"role": "user", "content": "Explain how rainbows are formed."}
]

# Streaming response
output_text = ""
for chunk in client.chat_completion(messages, max_tokens=100, stream=True):
    if chunk.choices and chunk.choices[0].delta.get("content"):
        output_text += chunk.choices[0].delta["content"]

print("\n=== Hugging Face API response ===\n")
print(output_text)
```

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/usr/local/lib/python3.11/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning:
The secret `HF_TOKEN` does not exist in your Colab secrets.
To authenticate with the Hugging Face Hub, create a token in your settings tab (https://huggingface.co/settings/tokens), set it as secre
You will be able to reuse this secret in all of your notebooks.
Please note that authentication is recommended but still optional to access public models or datasets.
  warnings.warn(

=== Hugging Face API response ===

Rainbows are breathtaking natural wonders that have captivated humans for centuries. They are formed through a process called refraction

1. **Sunlight**: The process begins with sunlight entering the Earth's atmosphere. The sun's rays contain a wide range of colors, which
2. **Water droplets**: When sunlight encounters water droplets in the air
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