```
Start coding or generate with AI.
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# Hugging Face and LangChain project
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```
!pip install --upgrade langchain_huggingface huggingface_hub > /dev/null
```

```
#!pip install groq > /dev/null
```

```
Start coding or generate with AI.
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```
# Load google colab API, for is=nstance hugging face token
from google.colab import userdata

import os

# Load the InferenceClien clint from hugging face hub
from huggingface_hub import InferenceClient



# Load the hugging face API token from the Googel Coalb's key store
hf_token = os.getenv("HF_TOKEN")
```

```
user_question = [{"role": "user", "content": "What is Artificial Intelligence?"}]
```

```
# Create the client instance (correct variable name)
user = InferenceClient(token=hf_token)

# Build a chat structure
outcomes = user.chat.completions.create(
    model="mistralai/Mistral-7B-Instruct-v0.3",
    messages=user_question,
    max_tokens=450,
    temperature=0.8
)

# Look at first choice.
print(outcomes.choices[0].message.content)
```

```
Artificial Intelligence (AI) refers to the ability of machines to mimic intelligent human behavior, such as learning, reasoning, problem



user_question = [{"role": "user", "content": "Please explain quantum computing"}]
```

```
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    messages=user_question,
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)

# Look at first choice.
print(outcomes.choices[0].message.content)
```

```
Quantum computing is a type of computing that uses quantum-mechanical phenomena, such as superposition and entanglement, to perform oper

This allows quantum computers to perform certain calculations much faster than classical computers, such as factoring large numbers and

For a more in-depth explanation, I would recommend reading the articles "Quantum Computing" by Scientific American or "What is quantum c
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