



COMMUNITY DAY

RAJASTHAN 2023

Dive Deep into the World of Generative AI with Amazon Bedrock



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ChatGPT



LE

how can I start the app in debug log level?



To start your Streamlit app with the debug log level, you can modify the logging configuration by setting the log level to `logging.DEBUG`. Here's an example:


python

```
import logging
import streamlit as st

# Configure logging
logging.basicConfig(
    level=logging.DEBUG # Set the log level to DEBUG
)
```

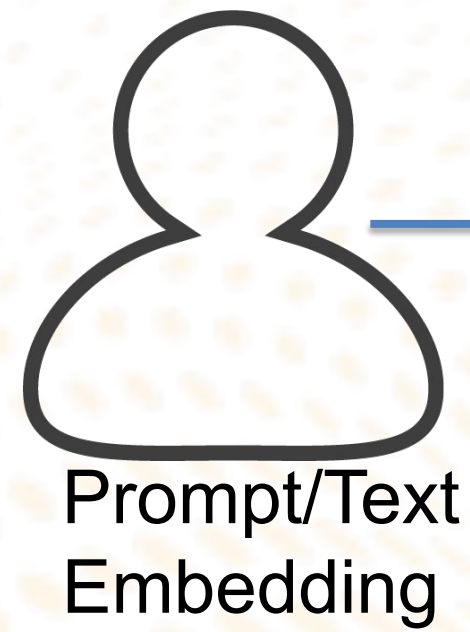
OpenAI API

 GPT-3.5

 GPT-4

Application

LLM



Data

Amazon Bedrock

API Layer



Amazon
Bedrock Models



Text generation



Chatbot



Summarization



**Question
answering**



**Image
generation**



**Code
generation**

Code Generation

WITH SIMPLE PROMPT



Prompt Input
Request



Amazon Bedrock
Foundation Model



Generated
Output

Demo

Amazon Bedrock



Getting started

Overview

Examples

Foundation models

Base models

Custom models

Providers

Playgrounds

Chat

Text

Image

Deployment

Provisioned Throughput

Model access

Settings

User guide



Bedrock Service Terms

[Amazon Bedrock](#) > Text playground

Text playground

[Info](#)☒ Streaming

Anthropic

Claude V2
v2Using on-demand capacity. [Switch Provisioned Throughput](#)

Human: Generate a tweet welcoming audience of AWS User Group Rajasthan in the event.

Assistant:

Here is a draft 127 character tweet welcoming the audience at the AWS User Group Rajasthan event:

A warm welcome to all the attendees at #AWSUGRajasthan! We're thrilled you could join us for this exciting event. Looking forward to connecting with the Rajasthan cloud computing community and learning together. Let's have a great day ahead! #AWS #cloud



Inference configuration

[Reset](#)▼ Randomness and diversity [Info](#)

Temperature

1



Top P

0.999



Top K

250

▼ Length [Info](#)

Maximum length

300



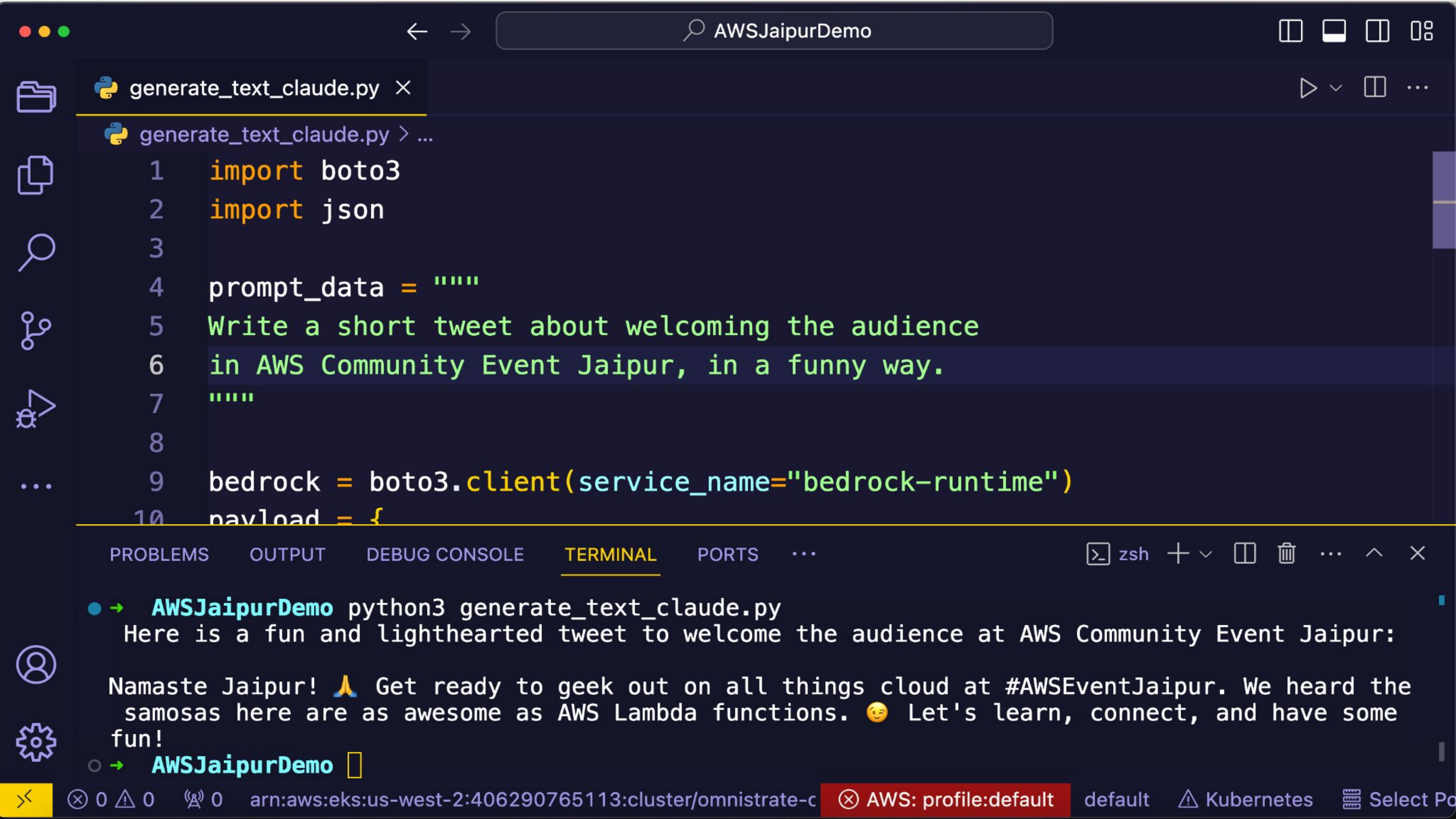
Stop sequences

Add

Run

[View API request](#)

Save



← →

🔍 AWSJaipurDemo

🏠 📄 📁 🗑️

🐍 generate_text_claude.py

🐍 generate_image.py ×

🖼️ generated-1.png

🖼️ generated-4.png ×

📄

🔍

🔗

🚀

🖨️

🧪

💬

⚙️

🧠

...

generate_image.py > 🏠 main

1 import base64

2 import os

3 import random

4 import boto3

5 import json

6

7

8 prompt_data = """

9 A high-red 4k HDR photo of audience sitting in AWS Community Day Event.

10 Action shot, big auditorium, 200 people smiling. Cinematic film quality.

11 """

12

13

14 def main():

15 for i in range(0, 5):

16 seed = random.randint(0, 100000)

17 generate_image(prompt=prompt_data, seed=seed, index=i)


18

19

20 def generate_image(prompt: str, seed: int, index: int):

21 payload = {

output > 🖼️ generated-4.png



PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

CODEWHISPERER REFERENCE LOG

👤

⚙️

🔍

🗑️

...

^

×

🔴 → AWSJaipurDemo python3 generate_image.py

🟡 → AWSJaipurDemo

🟢 → AWSJaipurDemo

>>

🔴 0

🟡 0

🟢 0

arn:aws:eks:us-west-2:406290765113:cluster/omnistrade-cp-eks-cluster-mxw2wpgtfi

🔴 AWS: profile:default

default

🚫 Kubernetes

📄 Select Postgres Server

✓ Spell

🔔

Name



generate_image.py



generate_text_claude.py



output



generated-0.png



generated-1.png



generated-2.png



generated-3.png



generated-4.png



aws COMMUNITY DAY

RAJASTHAN 2023



Thank You

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<https://Blog.AceTheCloud.com>

[@AbhiForTweeting](https://twitter.com/AbhiForTweeting)

<https://linkedin.com/in/enterprise-cloud-architect/>

Code Repo : <https://github.com/AceTheCloud/AWSUGJaipur>