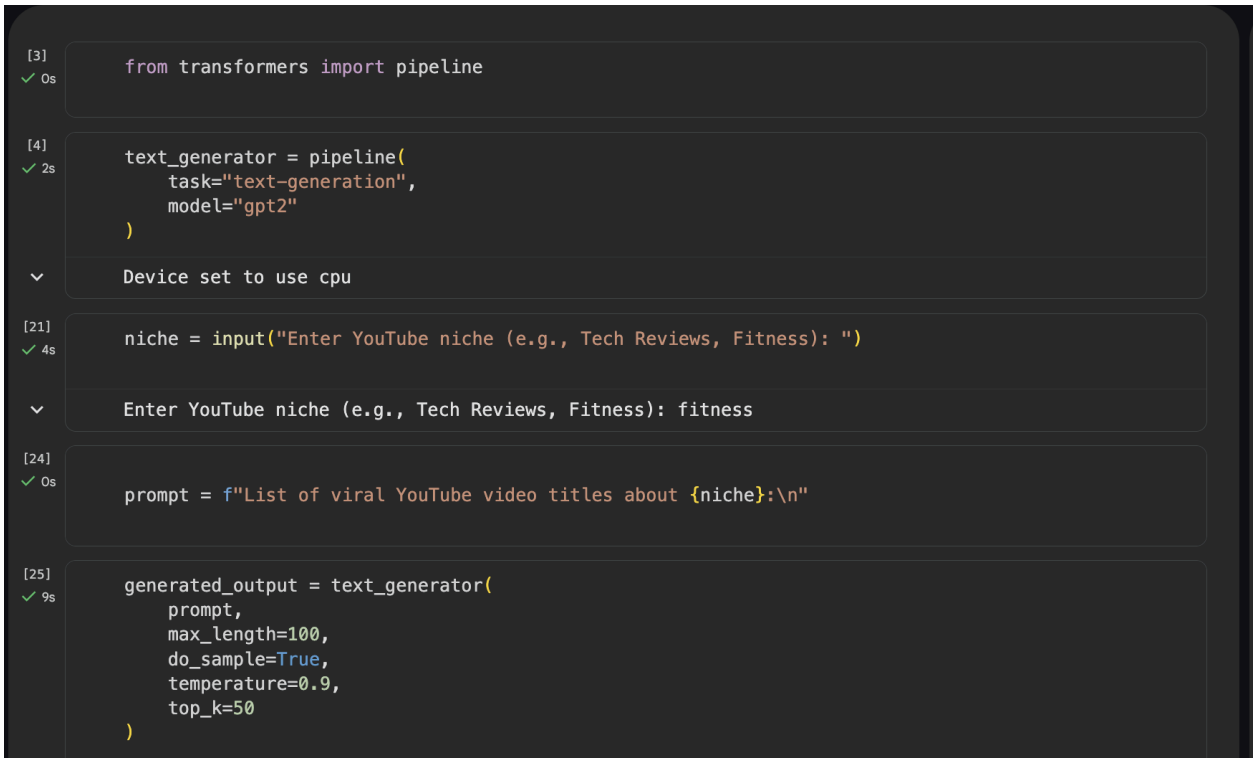
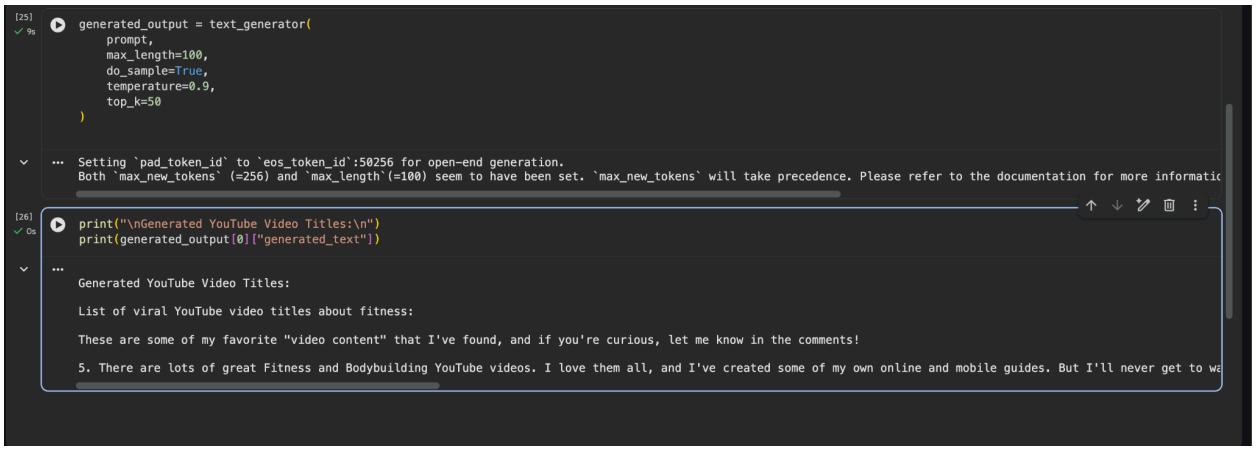
Unit 1 project observations

Topic chosen:

Idea Generator for YouTubers
Goal: Input a niche (e.g., "Tech Review") and generate 5 catchy video titles.
Tech: gpt2 prompted with "List of viral video titles:".



```
[3]  ✓ 0s
from transformers import pipeline

[4]  ✓ 2s
text_generator = pipeline(
    task="text-generation",
    model="gpt2"
)

Device set to use cpu

[21]  ✓ 4s
niche = input("Enter YouTube niche (e.g., Tech Reviews, Fitness): ")

Enter YouTube niche (e.g., Tech Reviews, Fitness): fitness

[24]  ✓ 0s
prompt = f"List of viral YouTube video titles about {niche}:\n"

[25]  ✓ 9s
generated_output = text_generator(
    prompt,
    max_length=100,
    do_sample=True,
    temperature=0.9,
    top_k=50
)
```



```
[25]  ✓ 9s
generated_output = text_generator(
    prompt,
    max_length=100,
    do_sample=True,
    temperature=0.9,
    top_k=50
)

Setting `pad_token_id` to `eos_token_id`:50256 for open-end generation.
Both `max_new_tokens` (=256) and `max_length`(=100) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more informatic

[26]  ✓ 0s
print("\nGenerated YouTube Video Titles:\n")
print(generated_output[0]["generated_text"])

Generated YouTube Video Titles:

List of viral YouTube video titles about fitness:

These are some of my favorite "video content" that I've found, and if you're curious, let me know in the comments!

5. There are lots of great Fitness and Bodybuilding YouTube videos. I love them all, and I've created some of my own online and mobile guides. But I'll never get to wa
```

- This project uses the transformers library to generate YouTube video titles based on a user-provided niche.
- It initializes a text-generation pipeline with the gpt2 model.
- The user is prompted to enter a YouTube niche (e.g., 'fitness').
- A prompt is then constructed, and the gpt2 model generates potential video titles, which are then printed to the console.