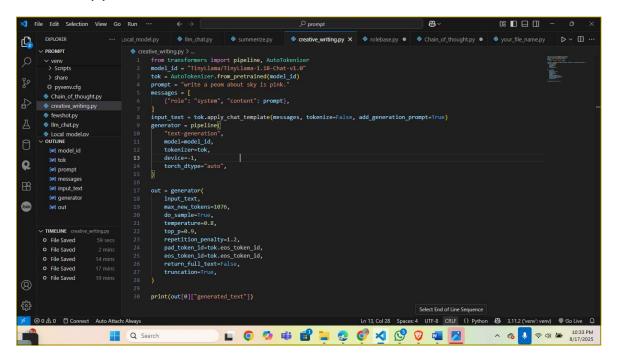
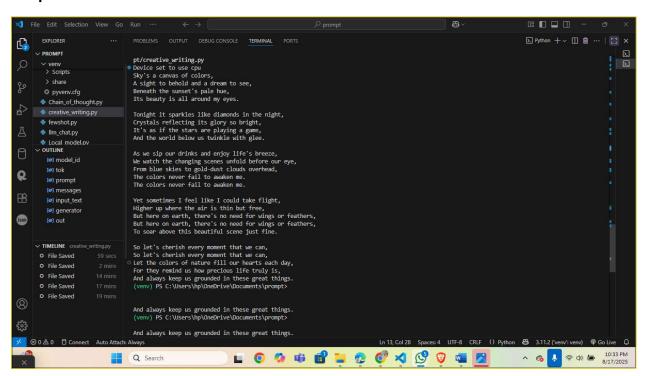
Build Python scripts for text generation and chat, Error handling.

1. Text Generation

Code snippet:



Output:



2. Error handling

Code snippet

```
📢 File Edit Selection View Go Run …
                                                                                                                            08 🔲 🗎 🗇
                                                                                                         88
                                                                        O prompt
                                                                           4
    ∨ PROMPT
                             from transformers import pipeline, AutoTokenizer import torch
     ∨ venv
> share
                                 def main():
     Chain_of_thought.py
     code.pv
                                        model id = "TinyLlama/TinyLlama-1.1B-Chat-v1.0"
     creative_writing.py
     error_handling.py
                                         print(" Loading tokenizer...")
tok = AutoTokenizer.from pretrained(model_id)
    # Ilm chat.pv
9
                                         prompt = "write a poem about I am Just a Girl."
messages = [{"role": "system", "content": prompt}]
       (e) model id
R
       [@] tok
       [ prompt
                                             input_text = tok.apply_chat_template(
        messages
                                                messages,
tokenize=False,
       input_text
Json
                                                add_generation_prompt=True
                                         except Exception as e:

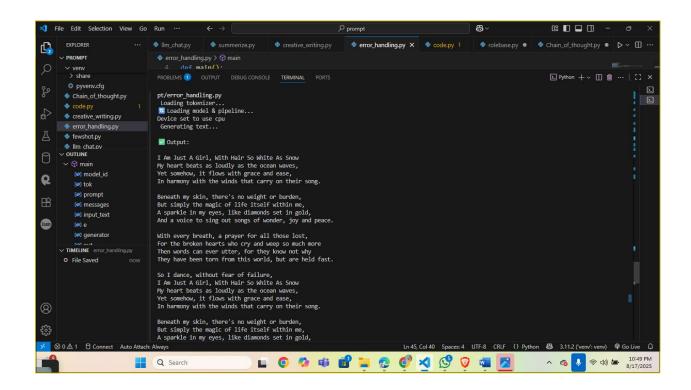
print(f" X Error applying chat template: {e}")

✓ TIMELINE error_handling.py

                                         print(" □ Loading model & pipeline...")
                                                "text-generation",
model=model_id,
                                                 tokenizer=tok,
£53
× ⊗ 0 △ 1 🖯 Connect Auto Attach: Alway:
                                                                                       ^ 🍪 🕠 🦃 Ф)) 🖢 10:48 РМ 8/17/2025
                                                    Q Search
🜖 File Edit Selection View Go Run …
                                                                                                                            0 □ □ □
                                                                        EXPLORER
                                                                         C)
    ∨ PROMPT
                             4 def main():
     ∨ venv
> share
      pyvenv.cfq
                                         except Exception as e:

print(f" Error loading pipeline: {e}")
     Chain of thought.py
     code.py
    error_handling.py
     fewshot.py
    Ilm chat.ov
OUTLINE
                                             out = generator(
0
                                                input_text,
                                                max_new_tokens=300,
                                                do_sample=True,
temperature=0.8,
       [@] model id
Q
                                                 top_p=0.9,
       prompt
                                                repetition penalty=1.2,
                                                pad_token_id=tok.eos_token_id,
                                                eos_token_id=tok.eos_token_id,
return_full_text=False,
Json
        (e) generator
                                             print("\n ☑ Output:\n")
                                         print(out[0]["generated_text"])
except Exception as e:
   print(f" Error during generation: {e}")
8
                                  if __name__ == "__main__":
    main()
  ⊗ 0 ▲ 1 🖯 Connect
                                                                                        Ln 45, Col 40 Spaces: 4 UTF-8 CRLF () Python 🔠 3.11.2 ('venv': venv)
                                                                                                                          Q Search
```

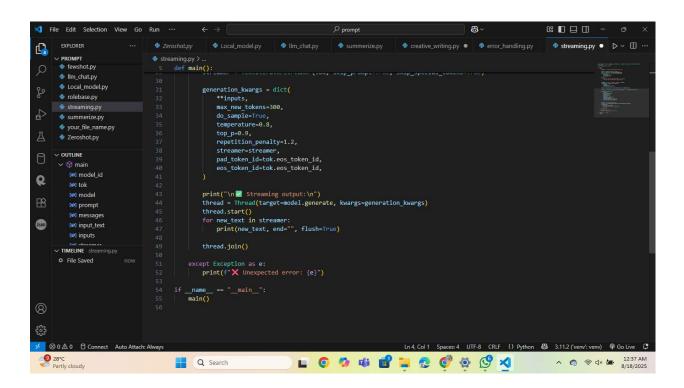
Output:



3. Streaming response:

Code

```
📢 File Edit Selection View Go Run …
                                                                                                                                                            08 □ □ □ −
                                                                                                                                    83
                                                                                          2 prompt
                                                                                                                                                              🕏 streaming.py 💿 ▷ ∨ 🔲 …
      1 from transformers import pipeline, AutoTokenizer, AutoModelForCausalLM, TextIteratorStreamer
                                         import torch
from threading import Thread
       Local_model.py
       rolebase.py
summerize.py
                                                  model_id = "TinyLlama/TinyLlama-1.1B-Chat-v1.0"
       your_file_name.py
                                                  print(" Loading tokenizer & model...")
                                                  tok = AutoTokenizer.from_pretrained(model_id)
model = AutoModelForCausalLM.from_pretrained(
     ∨ OUTLINE
0
                                                      model id,
                                                       torch_dtype="auto",
         model id
Q
                                                       device_map="auto
          [ø] tok
          [ model
                                                  prompt = (
    "Write a short motivational speech for students "
    "who are about to take their final exams."
          prompt
          messages
Json
                                                  messages = [{"role": "system", "content": prompt}]
input_text = tok.apply_chat_template(
      ✓ TIMELINE streaming.py
                                                      messages,
tokenize=False,
                                                  streamer = TextIteratorStreamer(tok, skip_prompt=True, skip_special_tokens=True)
                                                  generation_kwargs = dict(
    **inputs,
503
🔀 🛇 0 🛆 0 📋 Connect Auto Attach: Always
                                                                                                                Ln 4, Col 1 Spaces: 4 UTF-8 CRLF () Python 😝 3.11.2 ('venv': venv) 🗣 Go Live 🕻
 28°C
Partly cloudy
                                                                                Q Search
```



Output:

