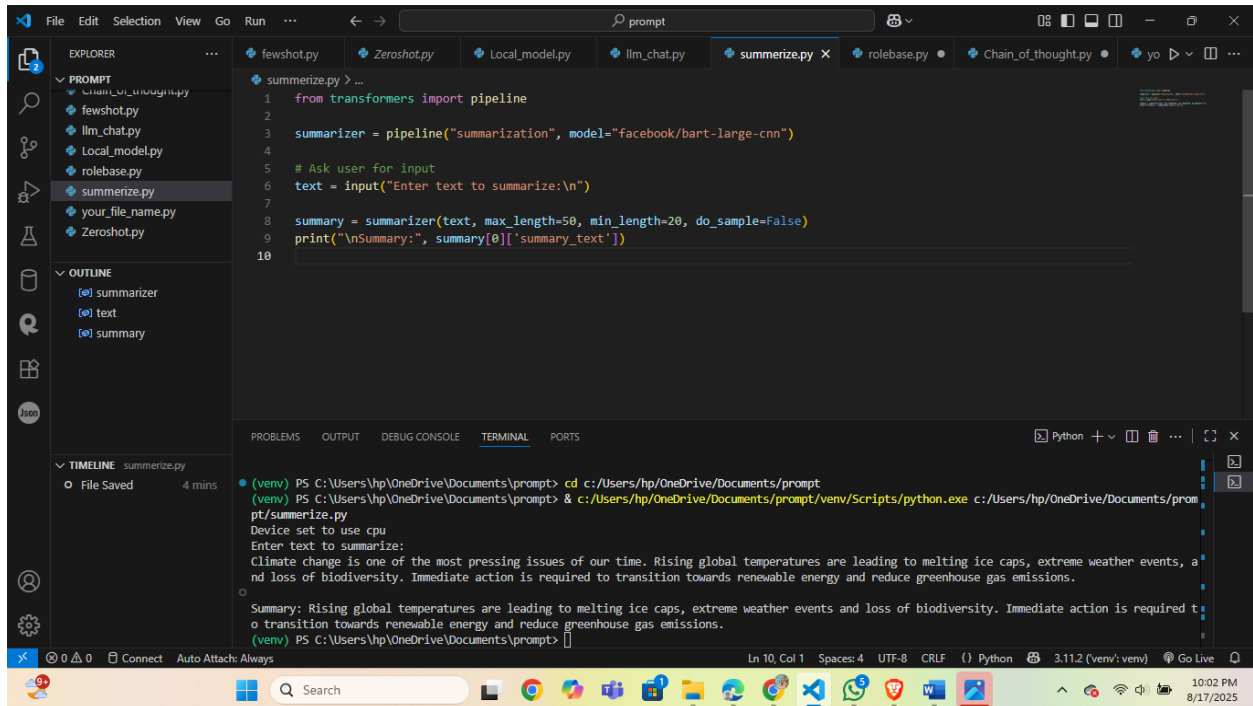


Hands-on: Create prompts for different scenarios (summarization, creative writing)

1. Text Summerization



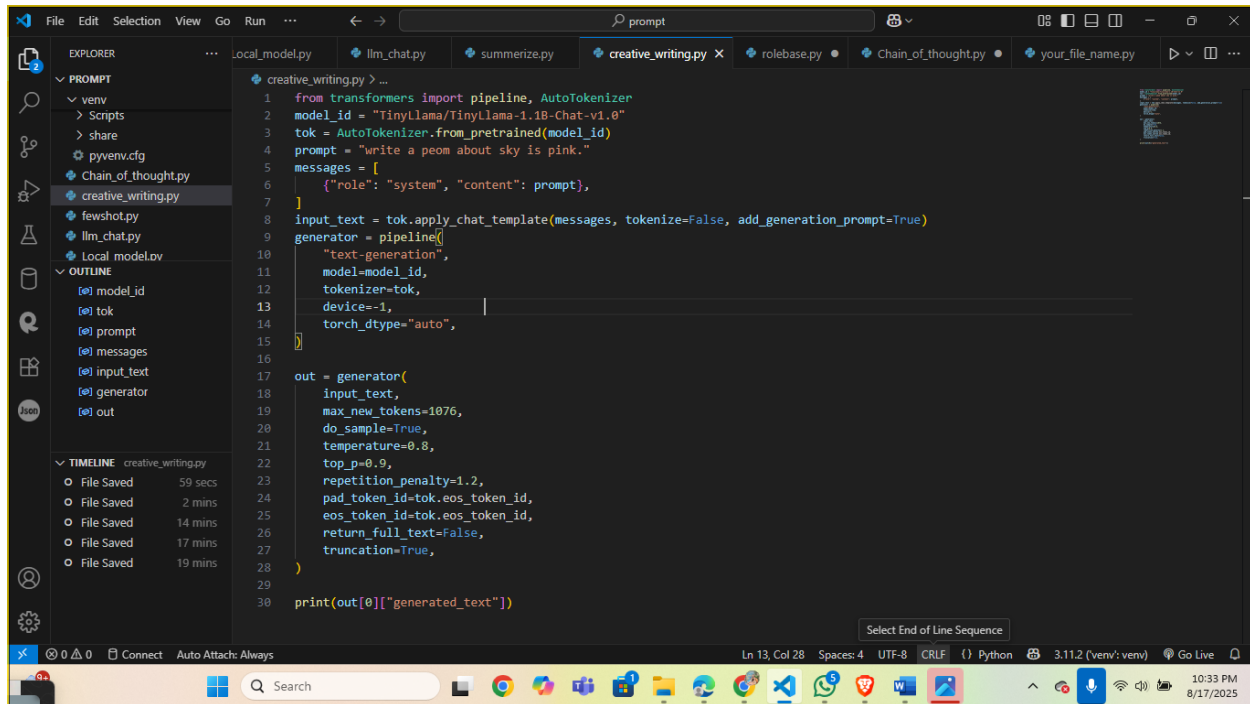
```
File Edit Selection View Go Run ... prompt
EXPLORER
PROMPT
  summarize.py
  your_file_name.py
  ZeroShot.py
OUTLINE
  summarizer
  text
  summary
TIMELINE
  summarize.py
    File Saved 4 mins

summarize.py > ...
1 from transformers import pipeline
2
3 summarizer = pipeline("summarization", model="facebook/bart-large-cnn")
4
5 # Ask user for input
6 text = input("Enter text to summarize:\n")
7
8 summary = summarizer(text, max_length=50, min_length=20, do_sample=False)
9 print("\nSummary:", summary[0]['summary_text'])
10
```

```
(venv) PS C:\Users\hp\OneDrive\Documents\prompt> cd c:/Users/hp/OneDrive/Documents/prompt
(venv) PS C:\Users\hp\OneDrive\Documents\prompt> & c:/Users/hp/OneDrive/Documents/prompt/venv/Scripts/python.exe c:/Users/hp/OneDrive/Documents/prompt/summarize.py
Device set to use cpu
Enter text to summarize:
Climate change is one of the most pressing issues of our time. Rising global temperatures are leading to melting ice caps, extreme weather events, and loss of biodiversity. Immediate action is required to transition towards renewable energy and reduce greenhouse gas emissions.

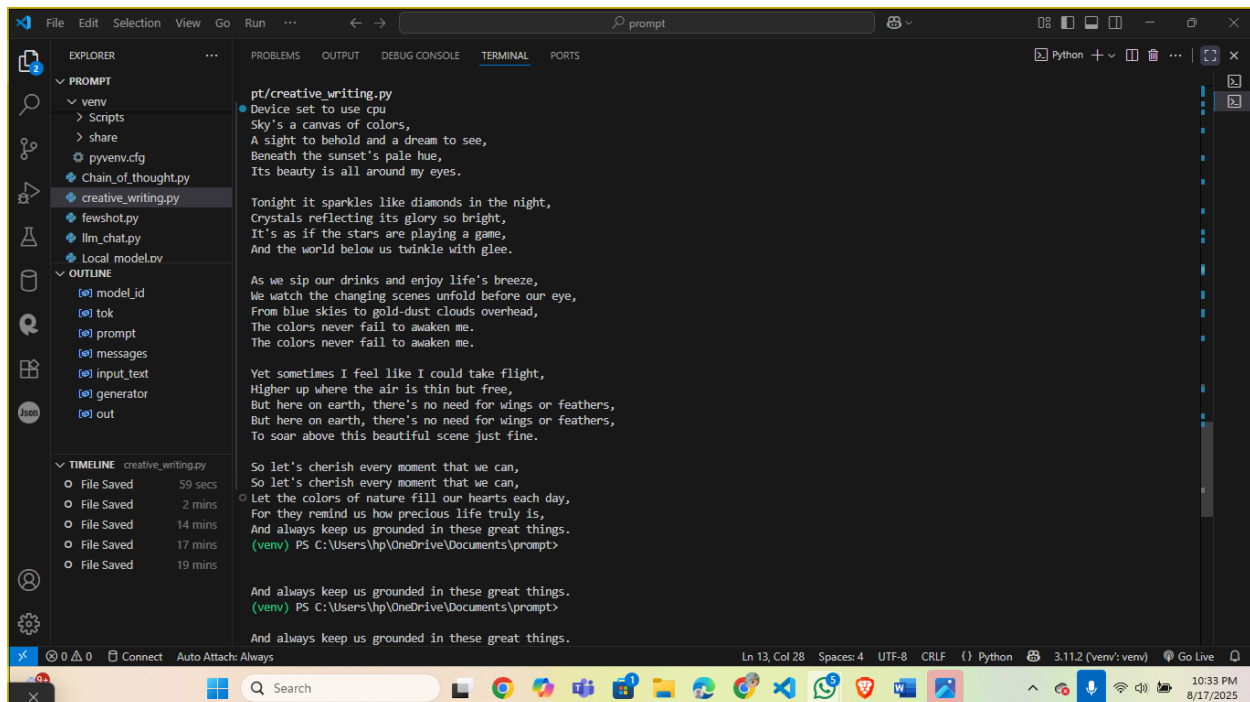
Summary: Rising global temperatures are leading to melting ice caps, extreme weather events and loss of biodiversity. Immediate action is required to transition towards renewable energy and reduce greenhouse gas emissions.
(venv) PS C:\Users\hp\OneDrive\Documents\prompt>
```

2. Creative Writing



```
1 from transformers import pipeline, AutoTokenizer
2 model_id = "TinyLlama/TinyLlama-1.1B-Chat-v1.0"
3 tok = AutoTokenizer.from_pretrained(model_id)
4 prompt = "write a poem about sky is pink."
5 messages = [
6     {"role": "system", "content": prompt},
7 ]
8 input_text = tok.apply_chat_template(messages, tokenize=False, add_generation_prompt=True)
9 generator = pipeline(
10     "text-generation",
11     model=model_id,
12     tokenizer=tok,
13     device=-1,
14     torch_dtype="auto",
15 )
16
17 out = generator(
18     input_text,
19     max_new_tokens=1076,
20     do_sample=True,
21     temperature=0.8,
22     top_p=0.9,
23     repetition_penalty=1.2,
24     pad_token_id=tok.eos_token_id,
25     eos_token_id=tok.eos_token_id,
26     return_full_text=False,
27     truncation=True,
28 )
29
30 print(out[0]["generated_text"])
```

Output



```
pt/creative_writing.py
Device set to use cpu
Sky's a canvas of colors,
A sight to behold and a dream to see,
Beneath the sunset's pale hue,
Its beauty is all around my eyes.

Tonight it sparkles like diamonds in the night,
Crystals reflecting its glory so bright,
It's as if the stars are playing a game,
And the world below us twinkle with glee.

As we sip our drinks and enjoy life's breeze,
We watch the changing scenes unfold before our eye,
From blue skies to gold-dust clouds overhead,
The colors never fail to awaken me.
The colors never fail to awaken me.

Yet sometimes I feel like I could take flight,
Higher up where the air is thin but free,
But here on earth, there's no need for wings or feathers,
But here on earth, there's no need for wings or feathers,
To soar above this beautiful scene just fine.

So let's cherish every moment that we can,
So let's cherish every moment that we can,
Let the colors of nature fill our hearts each day,
For they remind us how precious life truly is,
And always keep us grounded in these great things.
(venv) PS C:\Users\hp\OneDrive\Documents\prompt>

And always keep us grounded in these great things.
(venv) PS C:\Users\hp\OneDrive\Documents\prompt>

And always keep us grounded in these great things.
```