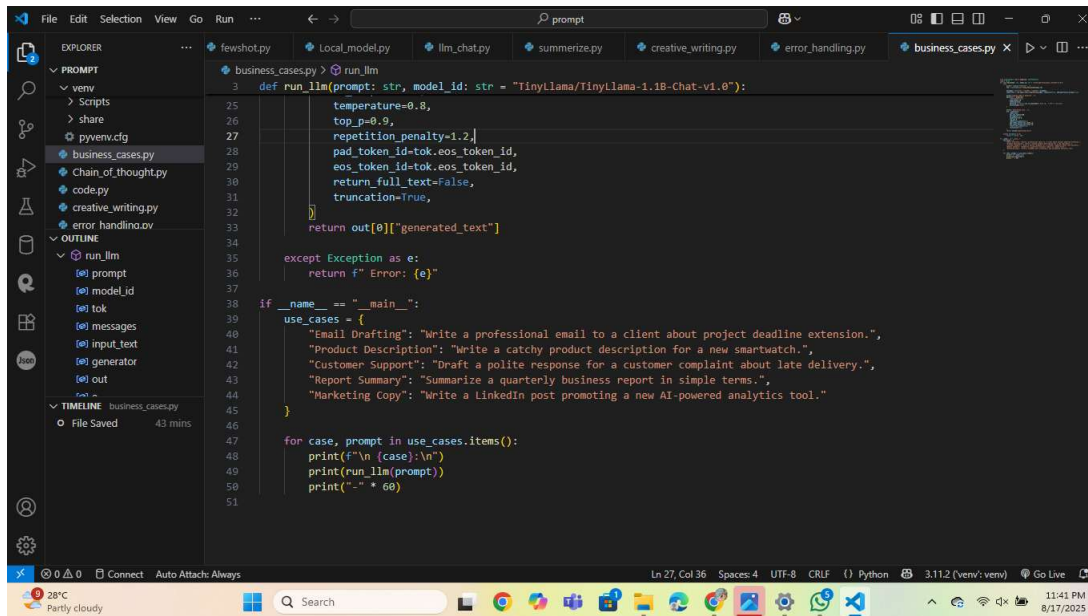


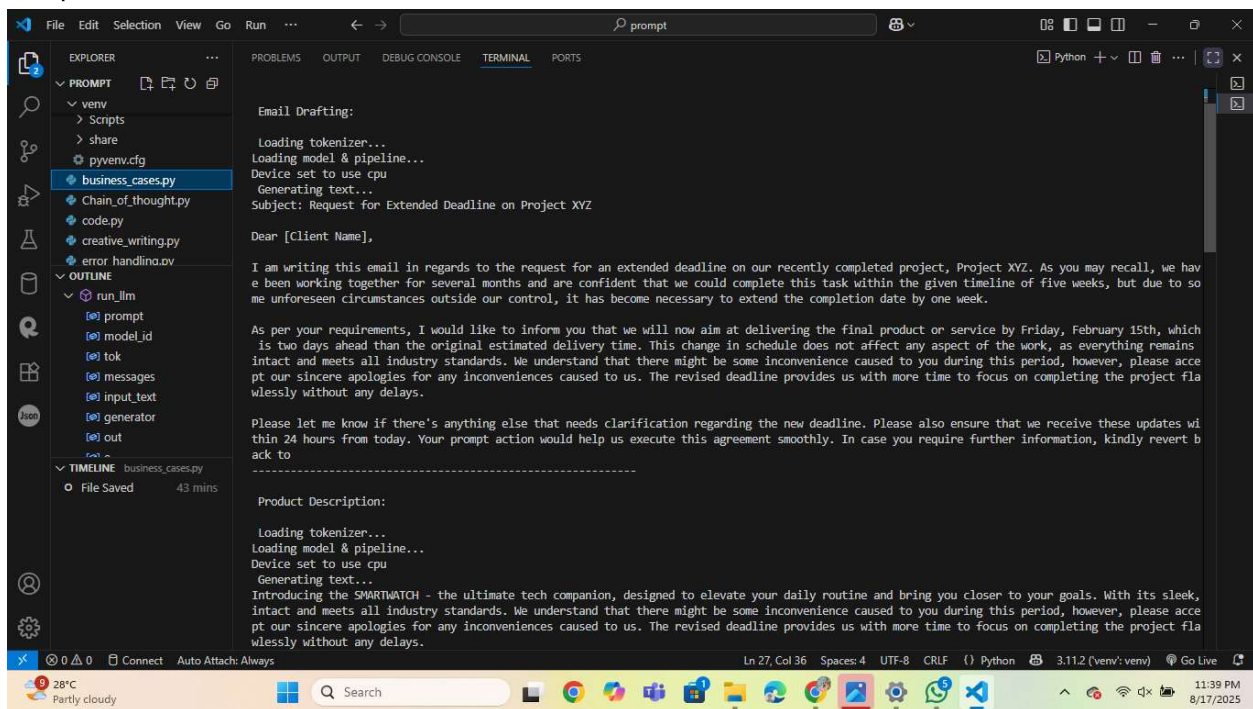
## Mini project: Build a prompt library for common business use cases

### Code Snippet



```
def run_llm(prompt: str, model_id: str = "TinyLlama/TinyLlama-1.18-Chat-v1.0"):  
    temperature=0.8,  
    top_p=0.9,  
    repetition_penalty=1.2,  
    pad_token_id=tok.eos_token_id,  
    eos_token_id=tok.eos_token_id,  
    return_full_text=False,  
    truncation=True,  
    return out[0]["generated_text"]  
  
except Exception as e:  
    return f"Error: {e}"  
  
if __name__ == "__main__":  
    use_cases = {  
        "Email Drafting": "Write a professional email to a client about project deadline extension.",  
        "Product Description": "Write a catchy product description for a new smartwatch.",  
        "Customer Support": "Draft a polite response for a customer complaint about late delivery.",  
        "Report Summary": "Summarize a quarterly business report in simple terms.",  
        "Marketing Copy": "Write a LinkedIn post promoting a new AI-powered analytics tool."  
    }  
  
    for case, prompt in use_cases.items():  
        print(f"\n (case):\n")  
        print(run_llm(prompt))  
        print("-" * 60)
```

### Output



```
Email Drafting:  
Loading tokenizer...  
Loading model & pipeline...  
Device set to use cpu  
Generating text...  
Subject: Request for Extended Deadline on Project XYZ  
  
Dear [Client Name],  
  
I am writing this email in regards to the request for an extended deadline on our recently completed project, Project XYZ. As you may recall, we have been working together for several months and are confident that we could complete this task within the given timeline of five weeks, but due to some unforeseen circumstances outside our control, it has become necessary to extend the completion date by one week.  
  
As per your requirements, I would like to inform you that we will now aim at delivering the final product or service by Friday, February 15th, which is two days ahead than the original estimated delivery time. This change in schedule does not affect any aspect of the work, as everything remains intact and meets all industry standards. We understand that there might be some inconvenience caused to you during this period, however, please accept our sincere apologies for any inconveniences caused to us. The revised deadline provides us with more time to focus on completing the project flawlessly without any delays.  
  
Please let me know if there's anything else that needs clarification regarding the new deadline. Please also ensure that we receive these updates within 24 hours from today. Your prompt action would help us execute this agreement smoothly. In case you require further information, kindly revert back to me.  
  
Product Description:  
Loading tokenizer...  
Loading model & pipeline...  
Device set to use cpu  
Generating text...  
Introducing the SMARTWATCH - the ultimate tech companion, designed to elevate your daily routine and bring you closer to your goals. With its sleek, compact and meets all industry standards. We understand that there might be some inconvenience caused to you during this period, however, please accept our sincere apologies for any inconveniences caused to us. The revised deadline provides us with more time to focus on completing the project flawlessly without any delays.
```

