

# Generate Code Snippets with LLMs

## Background

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This prompt tests an LLM's code generation capabilities by prompting it to generate the corresponding code snippet given details about the program through a comment using `/* <instruction> */`.

## Prompt

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```
/*  
Ask the user for their name and say "Hello"  
*/
```

## Code / API

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[GPT-4 \(OpenAI\)](#)    Mixtral MoE 8x7B Instruct (Fireworks)

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```
from openai import OpenAI  
client = OpenAI()  
  
response = client.chat.completions.create(  
    model="gpt-4",  
    messages=[  
        {  
            "role": "user",  
            "content": "/*\nAsk the user for their name and say \"Hello\"\n*/"  
        }  
    ],  
    temperature=1,  
    max_tokens=1000,  
    top_p=1,  
    frequency_penalty=0,  
    presence_penalty=0  
)
```

# Reference

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- [Prompt Engineering Guide](#) (16 March 2023)

Last updated on September 19, 2024