03 LLMs-Code - KirkYagami 🛅 🚉



Store the APIs in .. env file:

ANTHROPIC_API_KEY=sk-ant-api03-15UuxL2CNHBsqwOCBF0Q5QhGIsymax8RzirKQm

Anthropic - Claude

```
pip install anthropic
pip install python-dotenv
```

claude_main.py:

```
PYTHON
from anthropic import Anthropic
from dotenv import load_dotenv
load dotenv()
client = Anthropic(api_key=os.getenv('ANTHROPIC_API_KEY'))
def estimate_token(prompt):
    count = client.count_tokens(prompt)
def submit_prompt(prompt, system_prompt):
        full text = []
            system=system_prompt,
                {"role": "user", "content": prompt}
        ) as stream:
            for text in stream text stream:
                full_text.append(text)
    except Exception as e:
```

```
if __name__ == "__main__":
    prompt = input("Enter your prompt: ")
    print(f"Tokens for this request: {estimate_token(prompt=prompt)}")

    system_prompt = """
    Your task is to take the code snippet provided and explain it in simple, easy-to-under """
    submit_prompt(prompt, system_prompt)
```

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Llama - Deep Infra

https://deepinfra.com/ : Go to dashboard and create your API keys. Store the APIs in ...env file:

DEEP_INFRA_API_KEY=3Cp39e34BUzTmbeRML6P6k

CLI-based:

llama11b.py

Web-based

code-gen.py:

```
{"role": "user", "content": prompt},
    return chat_completion choices[0] message content, chat_completion usage prompt_tokens
# Streamlit app
    st.write("Enter your coding request below, and the AI will generate the corresponding
   prompt = st.text_area("Coding Request", height=50)
        if prompt:
                generated_code, prompt_tokens, completion_tokens = generate_code(prompt)
                # Format the generated code using Markdown
                st.markdown(f"python\n{generated_code}\n")
                st.write(f"**Prompt tokens used:** {prompt_tokens}, **Completion tokens us
           st.warning("Please enter a coding request.")
```

Execute the above file as:

```
streamlit run code-gen.py
```

Enter your coding request below, and the AI will generate the corresponding Python code
Coding Request

Generate Code