Summary Report for the Code Explainer CLI Application

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Approach Taken:

1. I went through the sample CLI App that was provided in the assignment. It gave me a good idea of how to create a basic CLI app using Node.js.
2. I created a simple CLI app to just fetch the code from any file in the same directory or any other directory and display it in the console.
3. I created a new account to get the Open ai API key and read its documentation. It gave me a good idea of how to send prompts and fetch responses using it.
4. I created the functions to send code, prompts to the API and fetch results and log them into the console.
5. Finally, I tried and tested different prompts and refined them.

Challenges Faced:

1. I had never built a CLI app before, so learning how to do so in a short amount of time was a challenge.
2. I had already exhausted my 2 Open ai Api keys, so I had to request a friend to use his number and ID to get a key.
3. Finding the right prompt and testing it took a good amount of time, and I got an error of API limit reached as my requests in a small time were high.

In the end, I solved all these challenges successfully and I totally enjoyed the whole process.

Suggestions:

A few more features can be added and the prompts can be refined even more according to different types of errors. But solving the problem in the minimum time possible is a major criterion so I did my best of what can be done as fast as possible.

I completed the task in around 4-5 hours.