**Part3: Video Generation with Captions**

As per the assignment instructions, I used the video generated in Part 1 and added captions corresponding to the voiceover. I sought help from ChatGPT (version 4.0) to achieve this.

Initially, I provided my original code and asked for assistance in adding captions. ChatGPT recommended using the moviepy library. However, I encountered an error related to ImageMagick, which is required for handling text in moviepy. I followed the steps provided by ChatGPT to resolve the issue, but the error persisted both in Google Colab and on my local machine.

ChatGPT then suggested an alternative approach that bypassed ImageMagick, which successfully resolved the error.

Later, I wanted to control the font size of the captions, as the text was too small. ChatGPT helped me modify the code to adjust the font size. Additionally, I encountered an issue where the entire caption was displayed in a single line. ChatGPT assisted in implementing text wrapping, ensuring that the caption fit within the video frame and displayed properly over multiple lines.

Chat Conversation: <https://chatgpt.com/share/66e74970-b2ac-8008-a39d-ead6167397d7>

Below are the screenshots:

