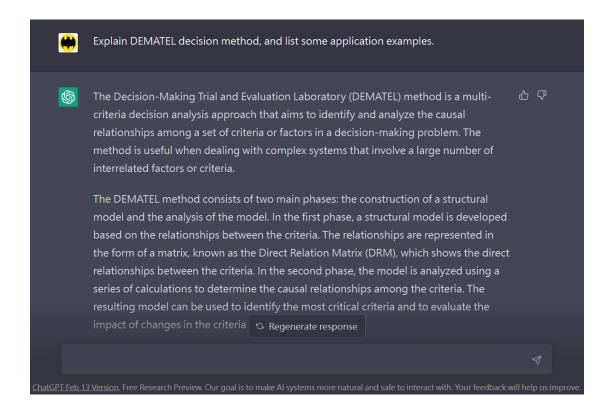
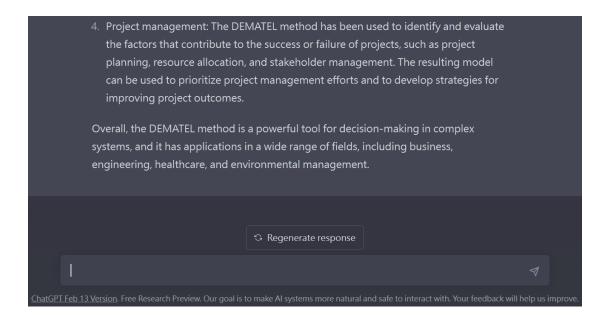
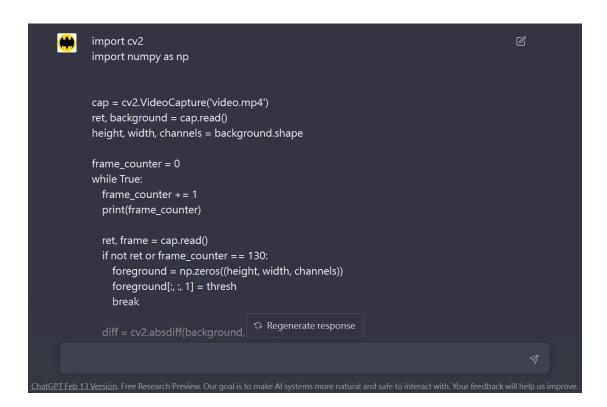
1. Unstructured output style:



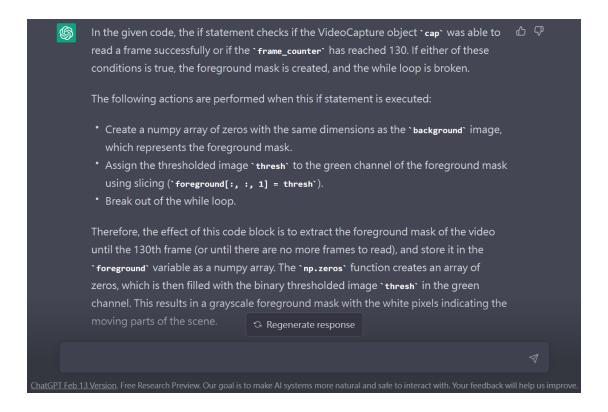


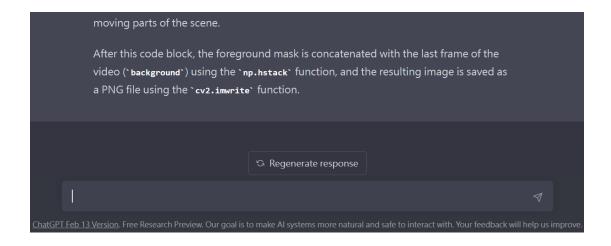


2. Code:



```
diff = cv2.absdiff(background, frame)
  gray = cv2.cvtColor(diff, cv2.COLOR_BGR2GRAY)
  thresh = cv2.threshold(gray, 30, 255, cv2.THRESH_BINARY)[1]
  kernel = cv2.getStructuringElement(cv2.MORPH_ELLIPSE, (5, 5))
  thresh = cv2.erode(thresh, kernel, iterations=1)
  thresh = cv2.dilate(thresh, kernel, iterations=1)
  background = frame
result = np.hstack((background, foreground))
cv2.imwrite('hw0_109652025_2.png', result)
cap.release()
cv2.destroyAllWindows()
On the above code, please focus on this part:
if not ret or frame_counter == 130:
    foreground = np.zeros((height, width, channels))
    foreground[:, :, 1] = thresh
                                 S Regenerate response
```





ChatGPT Can-Do:

- 1. Perform basic mathematical calculations.
- 2. Provide recommendations based on user input.
- 3. Translate text into different languages.
- 4. Summarize text and provide insights into the content.
- 5. Provide suggestions and feedback for improving writing style, grammar, and syntax.
- 6. Generate creative writing such as stories, essays, and poems.
- 7. Understand and analyze sentiment in text.
- 8. Conduct research and publish papers in the field of AI.
- 9. Develop conversational AI systems to interact with users.

ChatGPT Cannot-Do:

- 1. Surf the internet. (It can only access information stored in databases and archives that have been crawled and indexed by search engines like Google.)
- 2. Predict with complete accuracy the outcomes of complex real-world events and scenarios(e.g. weather forecast.)
- 3. Understand sarcasm, irony, or humor that is not explicitly stated.
- 4. Understand or express emotions in the same way that humans do.
- 5. Understand and process information that is not in text form, such as images, videos, or audio.
- 6. Break any laws or ethical boundaries that are set for AI use.