📝 Task Description:

Build a simple program that:

1. Takes a YouTube video link from a User.
2. Extracts the content of the video.
3. Returns a summary of the video.

Extract YouTube Transcript:

- Install **YouTubeTranscriptApi**

pip install youtube-transcript-api

- **Build the Function**

from urllib.parse import urlparse, parse_qs

from youtube_transcript_api import YouTubeTranscriptApi

def extract_video_id(url: str) -> str:

   """

   Extract the YouTube video ID from a URL.

   Raises ValueError if no 'v' parameter is found.

   """

   parsed = urlparse(url)

   qs = parse_qs(parsed.query)

   video_ids = qs.get('v')

```python
    if not video_ids:
        raise ValueError(f"No video id found in URL: {url}")
    return video_ids[0]


if __name__ == "__main__":
    url = "LINK"

    video_id = extract_video_id(url)

    api = YouTubeTranscriptApi()
    fetched = api.fetch(video_id, languages=['en'])  # returns a FetchedTranscript

    text = "\n".join(snippet.text for snippet in fetched)
```