**Automated Reddit story video creator: A breakdown**

Programming language:  
Python

Modules required:  
praw  
ffmpeg/moviepy  
selenium  
gtts  
os  
pyscreenshot

Steps:

* create a python program that receives input of a subreddit of your choice (in this case ill use askreddit)
* takes thread question name and copies down 8-12 responses (sorted by best)
* then reads them out using text to speech
  + (can take already created list of acquired comments and feed them into tts module and create audio files of them being read out)
* then program should take recorded audio, and any video and smush them together for a yt vid.
* video needs to be rendered with intro and outro added
* then THUMBNAIL needs to somehow be created
  + (maybe for now i will need to make thumbnail manually)
  + (could try ai generation?)
* after this, use youtube api to upload video with preset settings (1080p 30fps)

WHAT I WILL NEED TO LEARN TO ACCOMPLISH THIS:

* How to reliably get and store the 8-12 best responses to a thread
* How to take screenshots of response program has chosen to read out
* How to read them out using gtts
  + (also need to figure out best settings for gtts)
* How to create+export a video containing the audio and video elements my program has recorded, using python
  + (maybe this yt vid can help: <https://www.youtube.com/watch?v=0ZeO0IQaJ-A>)
* How to upload a video to youtube automatically (most likely using their api)

**A further explanation of the aforementioned ‘ai thumbnail generation’**

* take nouns from question title
* do google search
* pick first image that appears and slap it onto thumbnail canvas randomly?
  + (randomise size and orientation?)

EG:  
*What if Earth is like one of those uncontacted tribes in South America, like the whole Galaxy knows we're here but they've agreed not to contact us until we figure it out for ourselves?*

Program will pick up nouns such as earth, tribes, south america, galaxy. Etc. and find suitable picture?