```
pip install SpeechRecognition
```

```
Requirement already satisfied: SpeechRecognition in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (3.9.0)Note: you may need to restart the kernel to use updated packages.
Requirement already satisfied: requests>=2.26.0 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from SpeechRecognition) (2.28.1)
Requirement already satisfied: idna<4,>=2.5 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests>=2.26.0->SpeechRecognition) (3.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests>=2.26.0->SpeechRecognition) (1.26.13)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests>=2.26.0->SpeechRecognition) (2020.6.20)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests>=2.26.0->SpeechRecognition) (2.1.1)
```

```
pip install moviepy
```

```
Requirement already satisfied: moviepy in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (1.0.3)
Note: you may need to restart the kernel to use updated packages.Requirement already satisfied: imageio-ffmpeg>=0.2.0; python_version >= "3.4" in c:\users\mrunal\anaconda3\envs\a\lib`
Requirement already satisfied: proglog<=1.0.0 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from moviepy) (0.1.10)
Requirement already satisfied: numpy>=1.17.3; python_version != "2.7" in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from moviepy) (1.23.5)
Requirement already satisfied: decorator<5.0,>=4.0.2 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from moviepy) (4.4.2)
Requirement already satisfied: tqdm<5.0,>=4.11.2 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from moviepy) (4.64.1)

Requirement already satisfied: requests<3.0,>=2.8.1 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from moviepy) (2.28.1)
Requirement already satisfied: imageio<3.0,>=2.5; python_version >= "3.4" in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from moviepy) (2.22.4)
Requirement already satisfied: colorama; platform_system == "Windows" in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from tqdm<5.0,>=4.11.2->moviepy) (0.4.3)
Requirement already satisfied: idna<4,>=2.5 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests<3.0,>=2.8.1->moviepy) (3.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests<3.0,>=2.8.1->moviepy) (1.26.13)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests<3.0,>=2.8.1->moviepy) (2020.6.20)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from requests<3.0,>=2.8.1->moviepy) (2.1.1)
Requirement already satisfied: pillow>=8.3.2 in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from imageio<3.0,>=2.5; python_version >= "3.4"->moviepy) (9.3.0)
```

```
pip install editor
```

```
Requirement already satisfied: editor in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (1.2.1)
Requirement already satisfied: runs in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from editor) (1.1.0)
Requirement already satisfied: xmod in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from editor) (1.3.2)
Requirement already satisfied: dek in c:\users\mrunal\anaconda3\envs\a\lib\site-packages (from xmod->editor) (1.0.2)Note: you may need to restart the kernel to use updated packages.
```

```
# Step 1 : Importing libararies
import speech_recognition as sr
```

```
import moviepy.editor as mp
```

```
# Step 2: Video to Audio conversion
VidClip = mp.VideoFileClip(r"D:\miniproject\testingVideo\video1.mp4")
VidClip.audio.write_audiofile(r"D:\miniproject\testingVideo\converted_mp31.wav")
# D:\miniproject\testingVideo
```

```
MoviePy - Writing audio in D:\miniproject\testingVideo\converted_mp31.wav
                                                          MoviePy - Done.
```

```
# Step 3: Speech recognition
reco = sr.Recognizer()
```

```python
audio = sr.AudioFile(r"D:\miniproject\testingVideo\converted_mp31.wav")
with audio as source:
  audio_file = reco.record(source)
result = reco.recognize_google(audio_file)
```

```
    result2:
    {   'alternative': [   {   'confidence': 0.89770371,
                               'transcript': 'if P is cultivated it will become '
                                             'stronger if space is cultivated it '
                                             'will cheez mein story takes place to '
                                             'be what we hold in ourselves that '
                                             'must be fostered by the man or woman '
                                             'you see everyday in the mirror you '
                                             'must visit your still when you said '
                                             'should happen have happened if you '
                                             'can believe it you can achieve it '
                                             'recognised for 6:00 s6s everyday '
                                             'successes and deleting a destination '
                                             'playing the secret to success is '
                                             'determined by your daily agenda we '
                                             'make decisions and remarriage the '
                                             'surgeons what you want a baby '
                                             'tomorrow if the Hindu today what I '
                                             'do everyday is either give me closer '
                                             'to that vision that drain the role '
                                             'we should live a life everyday '
                                             'hungry over time it shows up work '
                                             "hard know what you're doing keep "
                                             'trying different times fashion is it '
                                             'is the full force of retention in '
                                             'every day you give the weather was '
                                             'widened coronavirus start during '
                                             'your passion follows you it should '
                                             'not be healed the somebody else like '
                                             'to be because you believe something '
                                             'good about yourself to go to 6s is '
                                             'through and through the strength to '
                                             'write true that everybody has a '
                                             'calling calling is something that '
                                             'was just wish and when you begin the '
                                             'honour of the Whisper and to follow '
                                             'you be in the pink the best to keep '
                                             "a I dream big dream'},
                           {   'transcript': 'if P is cultivated it will become '
                                             'stronger if space is cultivated it '
                                             'will cheez mein story takes place to '
                                             'be what we hold in ourselves that '
                                             'must be fostered by the man or woman '
                                             'you see everyday in the mirror you '
                                             'must visit your still when you said '
                                             'should happen have happened if you '
                                             'can believe it you can achieve it '
                                             'recognised for 6:00 s6s everyday '
                                             'successes and deleting a destination '
                                             'playing the secret to success is '
                                             'determined by your daily agenda we '
                                             'make decisions and remarriage the '
                                             'surgeons what you want a baby '
                                             'tomorrow if the Hindu today what I '
                                             'do everyday is either give me closer '
                                             'to that vision that drain the role '
                                             'we should live a life everyday '
                                             'hungry over time it shows up work '
```

```
# Step 4: Finally exporting the result
with open(r'D:\miniproject\testingVideo\SpeechText1.txt',mode ='w') as file:

    file.write(result)
    print("Text file ready!")

    Text file ready!
```