

The audio file needs to be downloaded and then uploaded in the colab notebook. Then copy the path of the audio file and paste it where indicated.

First, run the pip install SpeechRecognition command.

CODE DESCRIPTION

1. **Importing the necessary library:**

```
import speech_recognition as sr
```

2. **Defining the function speech_to_text:**

- This function takes an audio file path as input.
- It initializes a Recognizer object from the SpeechRecognition library.
- It opens the specified audio file and records the audio data.
- It tries to recognize the speech using Google Web Speech API. If successful, it returns the recognized text. If not, it handles exceptions for unknown value error and request error.

3. **Main part of the script:**

- The script specifies the path to the audio file: **audio_file = "/content/drive/MyDrive/Colab Notebooks/harvard.wav"**.
- It calls the **speech_to_text** function with the provided audio file path.
- If the conversion is successful, it prints the transcribed text. Otherwise, it prints an error message indicating the failure.