

How to run Web application on local computer?

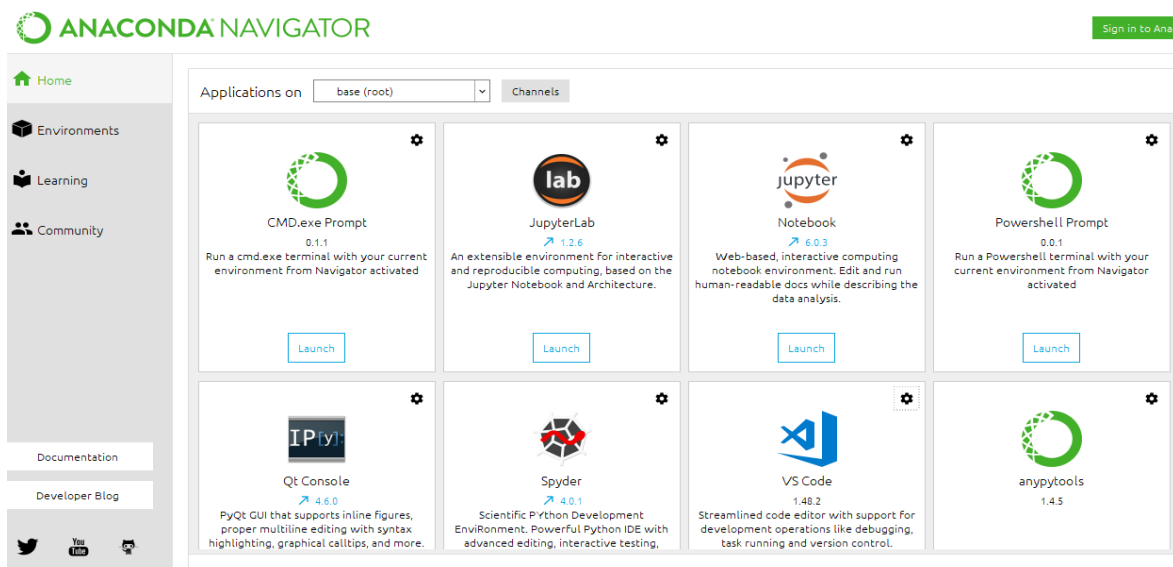
Below are the steps that can be followed to run the web application on local computer (tested on win-10, 8)

Step1. Install Anaconda3 and vs-code on pc. Below are the links:

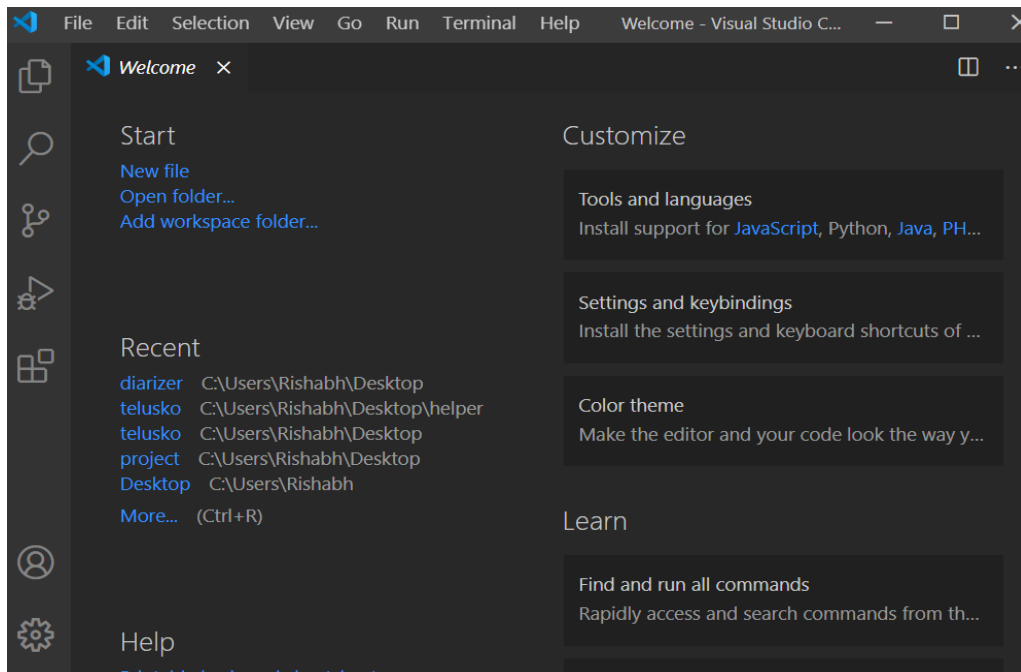
<https://www.anaconda.com/products/individual/get-started>

<https://code.visualstudio.com/download>

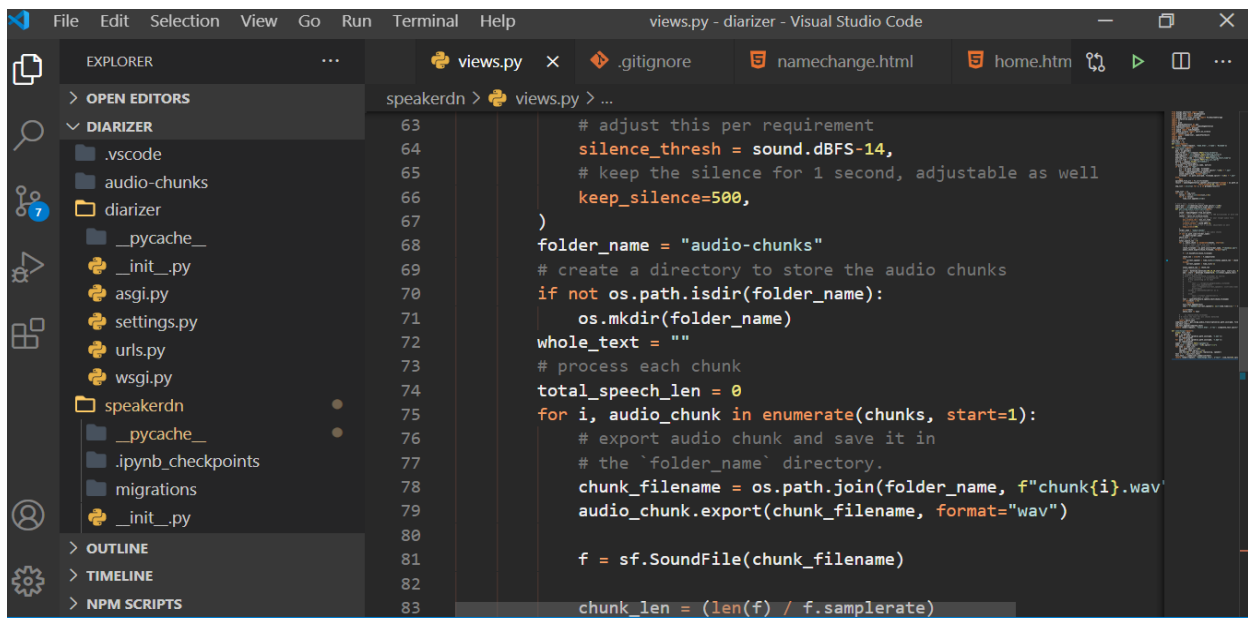
Step2. After downloading above two software's open anaconda-navigator. You will see window similar to below:



Step3. Open the VS Code from here. You will see window pop up similar to below:



Step4. Download the diarizer folder that I had shared with project. And click on Open folder and select the diarizer folder. It shows folder like below:



Step5. Open the terminal using `ctrl + ~`. Install modules mentioned in requirements.txt file using 'pip install <module name>'

e.g: `pip install Django==3.1`. Do similar for all other modules.

Step6: Move to the diarizer directory using 'cd' command.

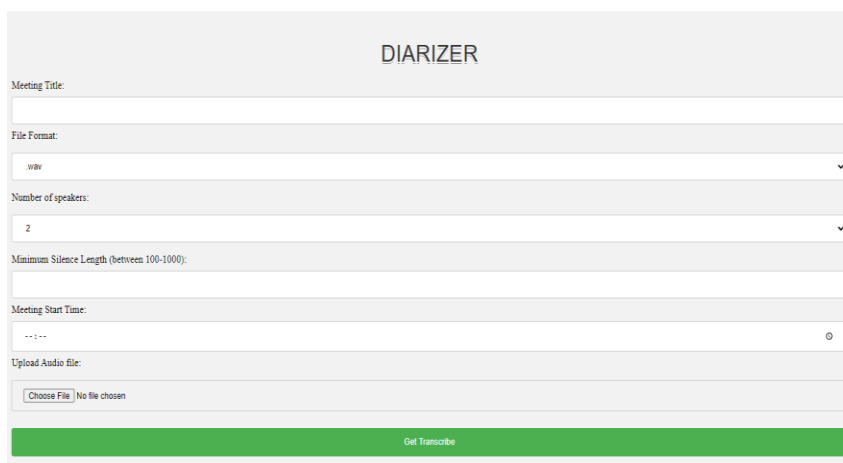
e.g: `cd diarizer/`

Step7. Run command 'python manage.py runserver'. This will give a local host like below:

```
Rishabh@Notebook MINGW64 ~/Desktop/diarizer (master)
$ python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

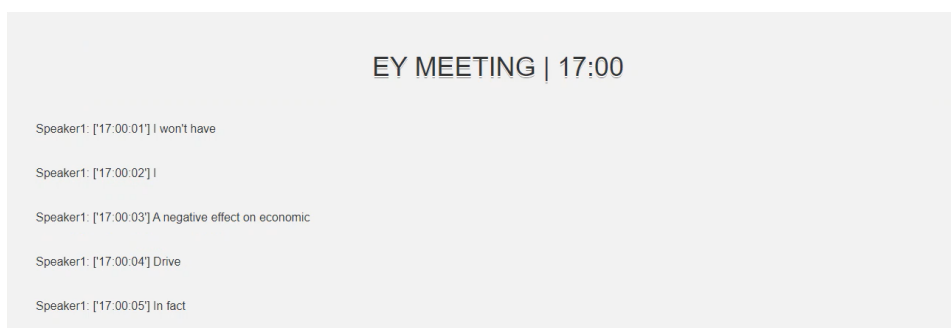
System check identified no issues (0 silenced).
August 30, 2020 - 15:46:42
Django version 3.1, using settings 'diarizer.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Step8. Copy the link and paste it on the browser (chrome preferably). You will see the home page of the web-application similar to below:



The screenshot shows the DIARIZER web application interface. It has a light gray header with the title "DIARIZER". Below the header, there are several input fields and a green button. The fields are: "Meeting Title:" (text input), "File Format:" (dropdown menu with ".wav" selected), "Number of speakers:" (dropdown menu with "2" selected), "Minimum Silence Length (between 100-1000):" (text input), "Meeting Start Time:" (datetime picker), and "Upload Audio File:" (file upload area with a "Choose File" button and "No file chosen" text). At the bottom, there is a green button labeled "Get Transcript".

Step9. Now fill the details, see the video demo (video attached with the project) for detailed description of the fields mentioned here. After filling the details and uploading audio file. It will take some time for 1 min audio (on local computer but can runs very fast on azure server). When this completed you will be forwarded to the next page having transcript, time- stamp for each speaker i.e. 'Who Speaks When'. And you can also change the Speaker0, Speaker1 etc. to real names like Rishabh. Next page is similar to below:



The screenshot shows the DIARIZER web application interface displaying a transcript. The header is light gray with the title "EY MEETING | 17:00". Below the header, there is a list of transcript entries, each with a speaker name and a timestamp. The entries are: "Speaker1: [17:00:01] I won't have", "Speaker1: [17:00:02] I", "Speaker1: [17:00:03] A negative effect on economic", "Speaker1: [17:00:04] Drive", and "Speaker1: [17:00:05] In fact".

ACTUAL SPEAKERS NAME

Speaker0:Rishabh
Speaker1:Rahul

Apply changes

Step10. After applying changes, you will the transcript and the summary (on the same page) similar to below:

TRANSCRIPT

Rahul: ["17:00:01"] I won't have

Rahul: ["17:00:02"] I

Rahul: ["17:00:03"] A negative effect on economic

Rahul: ["17:00:04"] Drive

Rahul: ["17:00:05"] In fact

This is all about the project. I have also shared the video demo of the project and code.