I am a Electroics and communcation student but the chance of me in getting the python file of the libraries for the the writing the file into the terminal was easy for me with some commands to the installation i always use to find the installation of some modules tough recently i started to wok on a project on pyaudio but the installatiojn always use to fail as i always had the use of the system in the other libraies but now started to work on the pyaudio and the other formats of the signal.

I always found the pyaduo hardware error in the GCC compiler of my system:

Linux vishwasnarayan-Inspiron-15-3567 4.18.0-17-generic #18-Ubuntu SMP Wed Mar 13 14:34:40 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux

so now typed these comamnds on the terminal:

First step :

this is the command for the portaudio error in the gcc file for the header file in the library for the proper execution of the file in the pyauidio library.

sudo apt-get install portaudio19-dev

Second step:

if the we have the linuc system for the pip bootsrap so the error may occur if you interupt the process thus waiting with full patience is necessory or else we may have to change the kernel for the execution afterwards.

pip install pyaudio

#this is the comand for the python2 only

else for the python3 type :

pip3 install pyaudio

if none of the commands work for the execution of the program in hte terminal type:

sudo apt-get install python3-pyaudio

then the process starts executing then the installe packages will be.

Untill we get the command at the terminal interupts dont press **ctrl+c** while executing for the copying of the function else it will turn rougie in your system.

 python3-pyaudio
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 24.4 kB of archives.
After this operation, 147 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu cosmic/universe amd64 python3-pyaudio amd64 0.2.11-1build3 [24.4 kB]
Fetched 24.4 kB in 1s (16.7 kB/s)
Selecting previously unselected package python3-pyaudio.
(Reading database ... 187553 files and directories currently installed.)
Preparing to unpack .../python3-pyaudio_0.2.11-1build3_amd64.deb ...
Unpacking python3-pyaudio (0.2.11-1build3) ...
Setting up python3-pyaudio (0.2.11-1build3) ...
this will set the pyauio

****note for the windows users:
windows people i am yet to figure out the solution so please wait or else add by the offline method if you started to hate windows then go and install ubunut or the other linux distributions so that you can work afterwards freely as an opensource guy.