docker build --tag <repository\_name> --f <Dockerfilename.txt> . use this command it will create a repository in docker desktop.

2) Now in docker desktop you will have a image with the name in the above at that image you will have a play button press it you get a window optional settings , there drag down.

3) After dragging down you get a empty boxes there type any container name . in place of Host path , create a empty folder in your local desktop and copy that path and paste in

Host path. in container path you must use default path which is /home/jovyan/work.

4) Now in place of local port type 8888 exactly beside the container port which is having 8888.

5) After all this process run it .

6) Now in docker desktop go to containers you will have a container running. in that go to logs, you will find 2 urls paste one of them in the website you will have jyupter note book with wordcount program.

**Note :- in order to have like this you must change the wordcount name in Dockerfilename.txt beside COPY command and you also must save wordcount program in the folder in which there is my dockerfilename.**

**Note :- if you have doubt in steps from 2 to 6 please follow this link in youtube :-**

[**https://www.youtube.com/watch?v=DAdCrDVECwY&t=225s**](https://www.youtube.com/watch?v=DAdCrDVECwY&t=225s)

This will be very helpful for my team mates if they just run this docker file with the above steps they can have jupyter notebook with the required pyspark. Here file is in small so you can’t see docker importance but it will be really important if any pyspark files are very large so with my application any team member can execute it with ease. By just following the file.

Users can expect their own ipynb files when following above steps only if they change beside COPY in docker file and that ipynb file must be saved in the docker folder.

I have developed ubuntu and in ubuntu installed python, installed jupyter and installed pyspark