Steps wise explanation

After running

bash python_virtualenv.sh --url="https://google.com" --http_server

Here --url and --http_server are arguments passed to the main bash script

Here I have used google.com as an example

Give the name of VirtualEnv Directory name we want to create, we can see below
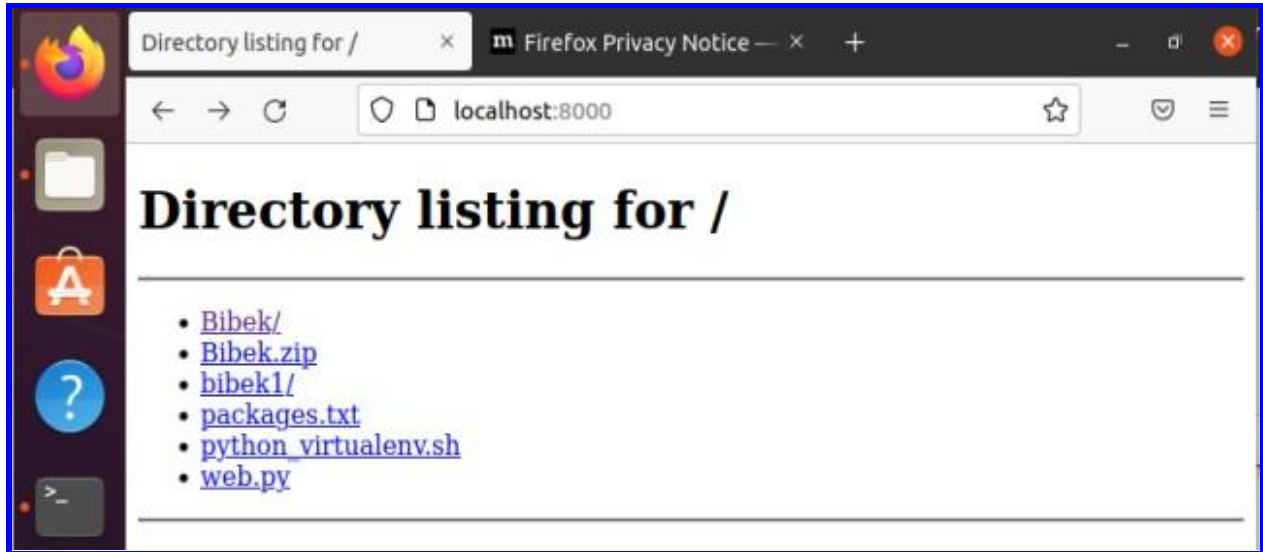
```
root@bibek-lf:/home/bibek/Documents/leapfrog# ls
packages.txt  python_virtualenv.sh  web.py
root@bibek-lf:/home/bibek/Documents/leapfrog# bash python_virtualenv.sh --url="h
ttps://google.com" --http_server
python version in your system
Python 3.8.10
python3.8-venv is present
pip 20.0.2 from /usr/lib/python3/dist-packages/pip (python 3.8)
Enter VirtualEnv Dir name you want to create: bibek1
Virtual Env Directory created
source bibek1/bin activated
Collecting requests
  Using cached requests-2.26.0-py2.py3-none-any.whl (62 kB)
Collecting pywebcopy
  Using cached pywebcopy-6.3.0-py2.py3-none-any.whl (51 kB)
Collecting certifi>=2017.4.17
  Using cached certifi-2021.10.8-py2.py3-none-any.whl (149 kB)
Collecting idna<4,>=2.5; python_version >= "3"
  Using cached idna-3.3-py3-none-any.whl (61 kB)
Collecting charset-normalizer~=2.0.0; python_version >= "3"
  Using cached charset_normalizer-2.0.7-py3-none-any.whl (38 kB)
```

After activating source virtualEnv and scraping the web page using requests and argument this files are saved in the current directory

```
')
127.0.0.1 - - [12/Nov/2021 01:25:10] "POST /gen_204?atyp=csi&ei=UnGNYYi
rbwg&s=webhp&t=all&bl=WR1C&imn=2&ima=1&imad=0&aftp=488&adh=&ime=1&imex=
imea=0&imeb=0&wh=488&scp=0&sto=&sys=hc.1&rt=aft.1333,prt.197,xjses.696,
4,xjs.1074,dcl.1302,afti.1333,aftqf.1349,ol.3117,wsrt.134,cst.0,dnst.0,
pt.0,rqstt.134,unt.1,ppunt.1,cstt.1,dit.532&zx=1636659610932 HTTP/1.1"
^C
Keyboard interrupt received, exiting.
root@bibek-lf:/home/bibek/Documents/leapfrog# ls
Bibek  bibek1  Bibek.zip  packages.txt  python_virtualenv.sh  web.py
root@bibek-lf:/home/bibek/Documents/leapfrog#
```

and a web page is hosted to share these files

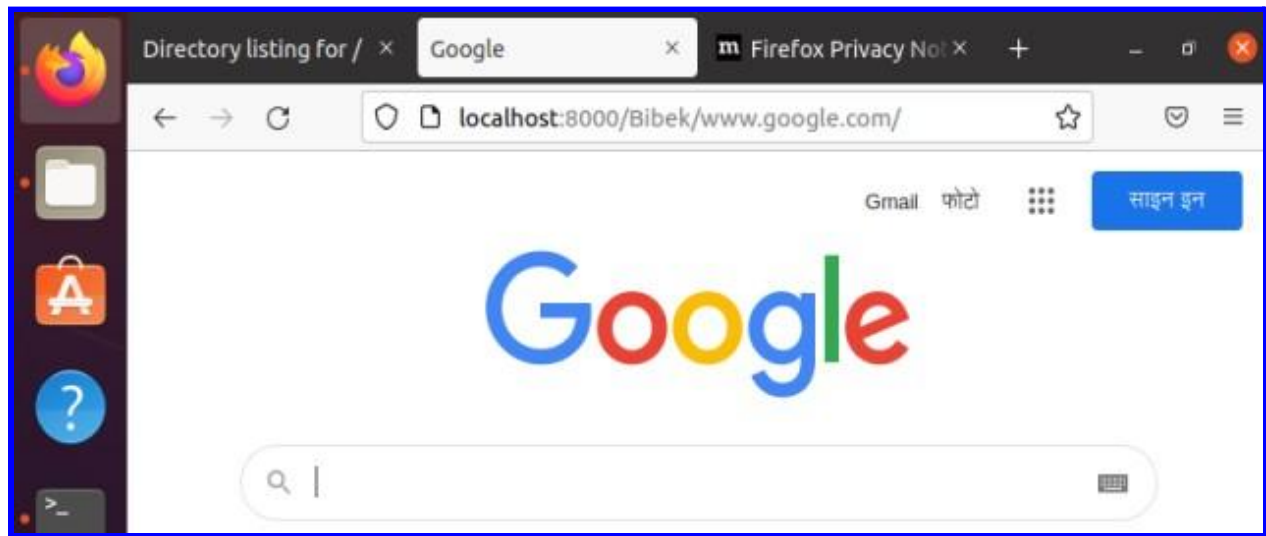Using **" python -m http.server "**

Opening the Bibek directory we can see **www.google.com** directory.

Inside **www.google.com** directory is:

```
root@bibek-lf:/home/bibek/Documents/leapfrog# cd Bibek
root@bibek-lf:/home/bibek/Documents/leapfrog/Bibek# ls
www.google.com  www.gstatic.com
root@bibek-lf:/home/bibek/Documents/leapfrog/Bibek# cd www.google.com/
root@bibek-lf:/home/bibek/Documents/leapfrog/Bibek/www.google.com# ls
2232fd0c__manifest.css  images  index.html  tia  xjs
root@bibek-lf:/home/bibek/Documents/leapfrog/Bibek/www.google.com#
```

If we click on **www.google.com** directory, we get google main page

The program files used are push in github-classroom repo