1. Start ubuntu either in VM and dual bootup.
2. Start hadoop services.
3. Create data dir on hadoop, Run below command

| hadoop fs mkdir -p /user/test |
| --- |

7.Create a dir with a name in your $HOME dir and change dir with cd command.

| mkdir ~/data  cd ~/data |
| --- |

Download data files from git repository. Use wget command. Please run below commands from the console and download data in ~/data dir.

| wget <https://github.com/imrankhan88/Dataengineering_bootcamp_docs/blob/main/Class_PPT's/hadoop/assignments/sample_data/people.csv> ~/data |
| --- |
| <https://github.com/imrankhan88/Dataengineering_bootcamp_docs/blob/main/Class_PPT's/hadoop/assignments/sample_data/people.json> ~/data |
| wget <https://github.com/imrankhan88/Dataengineering_bootcamp_docs/blob/main/Class_PPT's/hadoop/assignments/sample_data/people.txt> ~/data |
| wget <https://github.com/imrankhan88/Dataengineering_bootcamp_docs/blob/main/Class_PPT's/hadoop/assignments/sample_data/users.avro> ~/data |
| wget <https://github.com/imrankhan88/Dataengineering_bootcamp_docs/blob/main/Class_PPT's/hadoop/assignments/sample_data/users.orc> ~/data |
| wget <https://github.com/imrankhan88/Dataengineering_bootcamp_docs/blob/main/Class_PPT's/hadoop/assignments/sample_data/users.parquet> ~/data |

Now your ~/data dir should have 5 files, One for each format.

Please try below commands for putting and getting data for all the file formats from hadoop. Here I am giving commands for one file format people.txt.

**1. Create recursive directories on hadoop:-**

| hadoop fs -mkdir -p /user/test/data |
| --- |

**2. Upload data file on hdfs**

| hadoop fs -put people.txt /user/test/data |
| --- |

**3. Download file from hdfs to local file system**

| hadoop fs -get /user/test/data/people.txt |
| --- |

**4. Display hadoop file content on terminal**

| hadoop fs -cat /user/test/data/people.txt |
| --- |

**5. List hadoop directory files**

| hadoop fs -ls /user/test/data |
| --- |

**6. Remove hadoop single file**

| hadoop fs -rm /user/test/data/people.txt |
| --- |

**7. Remove hadoop dir**

| hadoop fs -rm -r /user/test/data |
| --- |

Note : Please try the above commands for all the file formats.