1. Open Sandbox dashboard
2. Open ambari and start hdfs service if not running.
3. Again go to the Sandbox dashboard and click on the SHELL tab at the right bottom corner.
4. Use username and password given on SHELL Tab. Please use the default username and password given on SHELL Tab. Please reset the password for future use and remember the password.
5. Create data dir on hadoop, Run below command

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

**2. Upload data file on hdfs**

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

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

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

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

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

**5. List hadoop directory files**

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

**6. Remove hadoop single file**

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

**7. Remove hadoop dir**

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

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