**HDFS Commands**

**HDFS Basic Commands:**

1. **pwd** :  The pwd command writes to standard output the full path name of your current directory (from the root directory).
2. **touchz**: It creates an empty file.
3. **-ls :**  It allows users to list files and directories from the Command Line Interface.
4. **-mkdir :** The mkdir stands for 'make directory'. With the help of mkdir command, you can create a new directory wherever you want in your system.
5. **–put :** HDFS Command to copy single source or multiple sources from local file system to the destination file system.
6. **-hadoop version:** That **command** is used to check the **Hadoop version**.
7. **–cat:**Reads a file on HDFS and prints the content of that file to the standard output.
8. **–rm:**To remove the file from HDFS.
9. **-get:**To copy files from hdfs to the linux file system.
10. **–help:**that displays help for given command or all commands if none is specified.
11. **–text:**  text takes the source file and outputs the file in the text format. It detects the encoding of the file and decodes it to plain text.
12. –fsck: HDFS fsck is used to check the health of the file system, to find missing files, over replicated, under replicated and corrupted blocks.
13. **–copyFromlocal:**To copy the file from a local file system to HDFS.
14. **–copyTolocal:** To copy the file from HDFS to local file system.
15. **–count:** To count the number of directories,files,and bytes under the paths that match the specified file pattern.

**Execution On Cloudera:**

* **hdfs dfs -mkdir /dir1**
* **hdfs dfs -touchz /dir1/sample**
* **hdfs dfs -text /dir1/sample**
* **ls**
* **echo "Hello World" | hadoop fs -appendToFile - /dir1/sample**
* **hdfs dfs -cat /dir1/sample**
* **hdfs dfs -text /dir1/sample**
* **hdfs dfs -touchz /dir1/sample1.txt**
* **hadoop version**
* **pwd**
* **mkdir temp**
* **ls**
* **cd temp**
* **ls**
* **echo "welcome hadoop">wordcount.txt**
* **ifconfig**
* **hadoop**
* **hadoop fs -ls /user**
* **pwd**
* **ls**
* **hdfs dfs -mkdir /user/cloudera/input1**
* **hdfs dfs -ls /user/cloudera/input1**
* **hdfs dfs -put /home/cloudera/temp/wordcount.txt /user/cloudera/input1**
* **hdfs dfs -ls /user/cloudera/input1**
* **hadoop fsck**
* **fsck**

**n,**

**n**

**(if not come 2 time run again)**

* **cat > /home/cloudera/file11.txt**

**Ramesh**

**Raju**

**Saniya**

**Vishal**

**Deepali**

^Z

* **cat /home/cloudera/file11.txt**
* **hdfs dfs -ls**
* **hdfs dfs -mkdir /user/cloudera/dir12**
* **hdfs dfs -put /home/cloudera/file11.txt /user/cloudera/dir12**
* **hdfs dfs -mkdir /dir14**
* **cat > /home/cloudera/newfile.txt**

**Maths**

**Eng**

**Sci**

**Comp**

^Z

* **hdfs dfs -copyFromLocal /home/cloudera/newfile.txt /dir14**
* **hdfs dfs -copyToLocal /dir14 /home/cloudera/newfile.txt**
* **hdfs dfs -count /dir14**

**Mongodb**

* **use MyDb**
* **db**
* **show dbs;**
* **db.createCollection("Students")**
* **db.Students.insert({\_id:5, StudName:"Stark",Grade:"A", Hobbies:"Advisory"});**
* **db.Students.insertMany([**

**{\_id:2, StudName:"Test 2",Grade:"A", Hobbies:"Advisory"},**

**{\_id:3, StudName:"Test 3",Grade:"A", Hobbies:"Advisory"},**

**]);**

* **db.Students.find();**
* **db.Students.find({StudName:”Test 2”});**
* **db.Students.find().pretty();**
* **db.Students.update( {StudName:"Test 2"}, {$set: {Grade: "X"}} ) ;**
* **db.Students.deleteOne({StudName:"Test 2"})**
* **db.Students.deleteMany({StudName:"Test 2"})**
* **db.products.createIndex(**

**{ StudName: 1} ,**

**{ name: "query for inventory" }**

**)**

* **db.Students.getIndexes();**
* **db.Students.dropIndex({StudName:1});**
* **db.Students.find({},{\_id:0}).sort({StudName:1})**