1. Start hadoop services.
2. Create data dir on hadoop, Run below command

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

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

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

zipcodes.csv

| RecordNumber,Zipcode,ZipCodeType,City,State,LocationType,Lat,Long,Xaxis,Yaxis,Zaxis,WorldRegion,Country,LocationText,Location,Decommisioned,TaxReturnsFiled,EstimatedPopulation,TotalWages,Notes  1,704,STANDARD,PARC PARQUE,PR,NOT ACCEPTABLE,17.96,-66.22,0.38,-0.87,0.3,NA,US,"Parc Parque, PR",NA-US-PR-PARC PARQUE,FALSE,,,,  2,704,STANDARD,PASEO COSTA DEL SUR,PR,NOT ACCEPTABLE,17.96,-66.22,0.38,-0.87,0.3,NA,US,"Paseo Costa Del Sur, PR",NA-US-PR-PASEO COSTA DEL SUR,FALSE,,,,  10,709,STANDARD,BDA SAN LUIS,PR,NOT ACCEPTABLE,18.14,-66.26,0.38,-0.86,0.31,NA,US,"Bda San Luis, PR",NA-US-PR-BDA SAN LUIS,FALSE,,,,  61391,76166,UNIQUE,CINGULAR WIRELESS,TX,NOT ACCEPTABLE,32.72,-97.31,-0.1,-0.83,0.54,NA,US,"Cingular Wireless, TX",NA-US-TX-CINGULAR WIRELESS,FALSE,,,,  61392,76177,STANDARD,FORT WORTH,TX,PRIMARY,32.75,-97.33,-0.1,-0.83,0.54,NA,US,"Fort Worth, TX",NA-US-TX-FORT WORTH,FALSE,2126,4053,122396986,  61393,76177,STANDARD,FT WORTH,TX,ACCEPTABLE,32.75,-97.33,-0.1,-0.83,0.54,NA,US,"Ft Worth, TX",NA-US-TX-FT WORTH,FALSE,2126,4053,122396986,  4,704,STANDARD,URB EUGENE RICE,PR,NOT ACCEPTABLE,17.96,-66.22,0.38,-0.87,0.3,NA,US,"Urb Eugene Rice, PR",NA-US-PR-URB EUGENE RICE,FALSE,,,,  39827,85209,STANDARD,MESA,AZ,PRIMARY,33.37,-111.64,-0.3,-0.77,0.55,NA,US,"Mesa, AZ",NA-US-AZ-MESA,FALSE,14962,26883,563792730,"no NWS data, "  39828,85210,STANDARD,MESA,AZ,PRIMARY,33.38,-111.84,-0.31,-0.77,0.55,NA,US,"Mesa, AZ",NA-US-AZ-MESA,FALSE,14374,25446,471000465,  49345,32046,STANDARD,HILLIARD,FL,PRIMARY,30.69,-81.92,0.12,-0.85,0.51,NA,US,"Hilliard, FL",NA-US-FL-HILLIARD,FALSE,3922,7443,133112149,  49346,34445,PO BOX,HOLDER,FL,PRIMARY,28.96,-82.41,0.11,-0.86,0.48,NA,US,"Holder, FL",NA-US-FL-HOLDER,FALSE,,,,  49347,32564,STANDARD,HOLT,FL,PRIMARY,30.72,-86.67,0.04,-0.85,0.51,NA,US,"Holt, FL",NA-US-FL-HOLT,FALSE,1207,2190,36395913,  49348,34487,PO BOX,HOMOSASSA,FL,PRIMARY,28.78,-82.61,0.11,-0.86,0.48,NA,US,"Homosassa, FL",NA-US-FL-HOMOSASSA,FALSE,,,,  10,708,STANDARD,BDA SAN LUIS,PR,NOT ACCEPTABLE,18.14,-66.26,0.38,-0.86,0.31,NA,US,"Bda San Luis, PR",NA-US-PR-BDA SAN LUIS,FALSE,,,,  3,704,STANDARD,SECT LANAUSSE,PR,NOT ACCEPTABLE,17.96,-66.22,0.38,-0.87,0.3,NA,US,"Sect Lanausse, PR",NA-US-PR-SECT LANAUSSE,FALSE,,,,  54354,36275,PO BOX,SPRING GARDEN,AL,PRIMARY,33.97,-85.55,0.06,-0.82,0.55,NA,US,"Spring Garden, AL",NA-US-AL-SPRING GARDEN,FALSE,,,,  54355,35146,STANDARD,SPRINGVILLE,AL,PRIMARY,33.77,-86.47,0.05,-0.82,0.55,NA,US,"Springville, AL",NA-US-AL-SPRINGVILLE,FALSE,4046,7845,172127599,  54356,35585,STANDARD,SPRUCE PINE,AL,PRIMARY,34.37,-87.69,0.03,-0.82,0.56,NA,US,"Spruce Pine, AL",NA-US-AL-SPRUCE PINE,FALSE,610,1209,18525517,  76511,27007,STANDARD,ASH HILL,NC,NOT ACCEPTABLE,36.4,-80.56,0.13,-0.79,0.59,NA,US,"Ash Hill, NC",NA-US-NC-ASH HILL,FALSE,842,1666,28876493,  76512,27203,STANDARD,ASHEBORO,NC,PRIMARY,35.71,-79.81,0.14,-0.79,0.58,NA,US,"Asheboro, NC",NA-US-NC-ASHEBORO,FALSE,8355,15228,215474318,  76513,27204,PO BOX,ASHEBORO,NC,PRIMARY,35.71,-79.81,0.14,-0.79,0.58,NA,US,"Asheboro, NC",NA-US-NC-ASHEBORO,FALSE,1035,1816,30322473, |
| --- |

Create zipcodes.csv

| touch zipcodes.csv  nano zipcodes.csv |
| --- |

Copy above data into zipcodes.csv

| cltr +s  cltr +x |
| --- |

Try below command from hadoop console

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

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

**2. Upload data file on hdfs**

| hadoop fs -put zipcodes.csv /user/test/data |
| --- |

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

| hadoop fs -get /user/test/data/zipcodes.csv |
| --- |

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

| hadoop fs -cat /user/test/data/zipcodes.csv |
| --- |

**5. List hadoop directory files**

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

**6. Remove hadoop single file**

| hadoop fs -rm /user/test/data/zipcodes.csv |
| --- |

**7. Remove hadoop dir**

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

**8. head and rail**

The Hadoop fs shell tail command shows the last 1KB of a file on console or stdout.

| **hadoop fs -head /user/test/data/zipcodes.csv** |
| --- |

**9. du command lets you check the disk usage of a certain file**

| **hadoop fs -du /user/test/data/zipcodes.csv** |
| --- |

**10. Moves files from one location to another.**

| **hadoop fs -mv /user/test/data/zipcodes.csv /data1** |
| --- |

**11 . Moves the file or directory from the local filesystem to the destination in Hadoop HDFS**

| hadoop fs -moveFromLocal zipcodes1.csv /data2 |
| --- |