# Procedure of Number Sum

**Step 1 :** Start hadoop
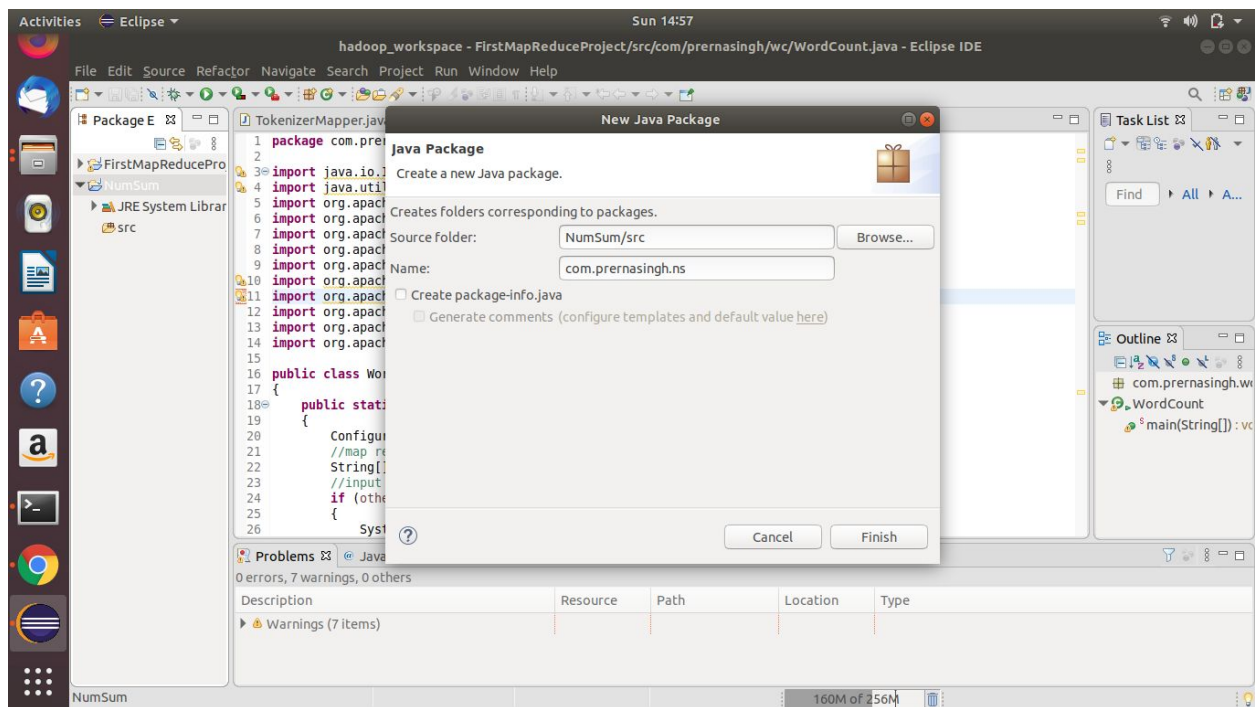


**Step 2:** For Java Program

**Step 2.1:** Create project

**Step 2.2:** Create package



**Step 2.3:** Write Code

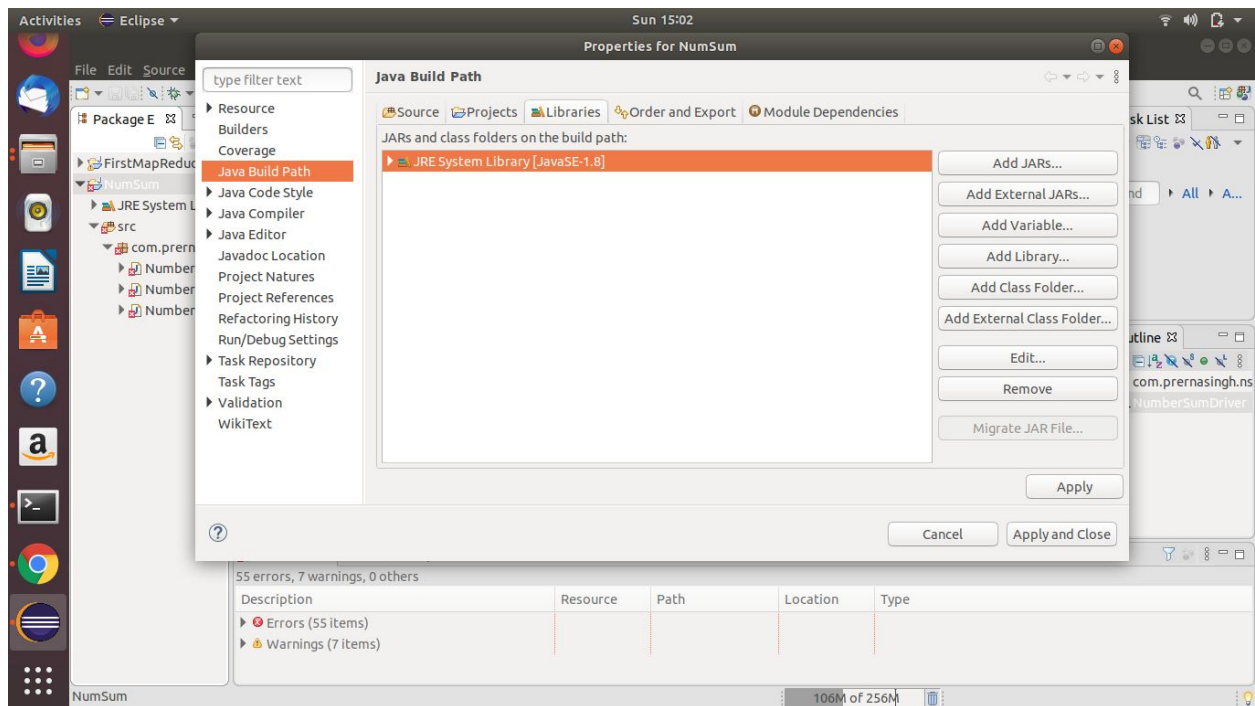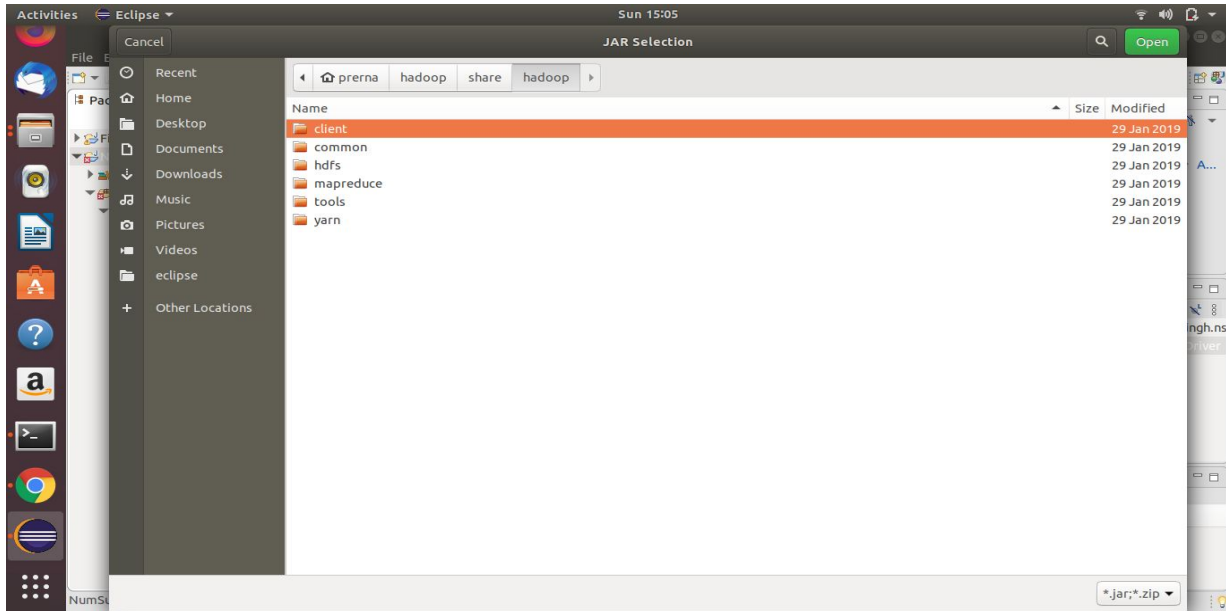https://github.com/Prerna11071997/NumberSum

Code in src
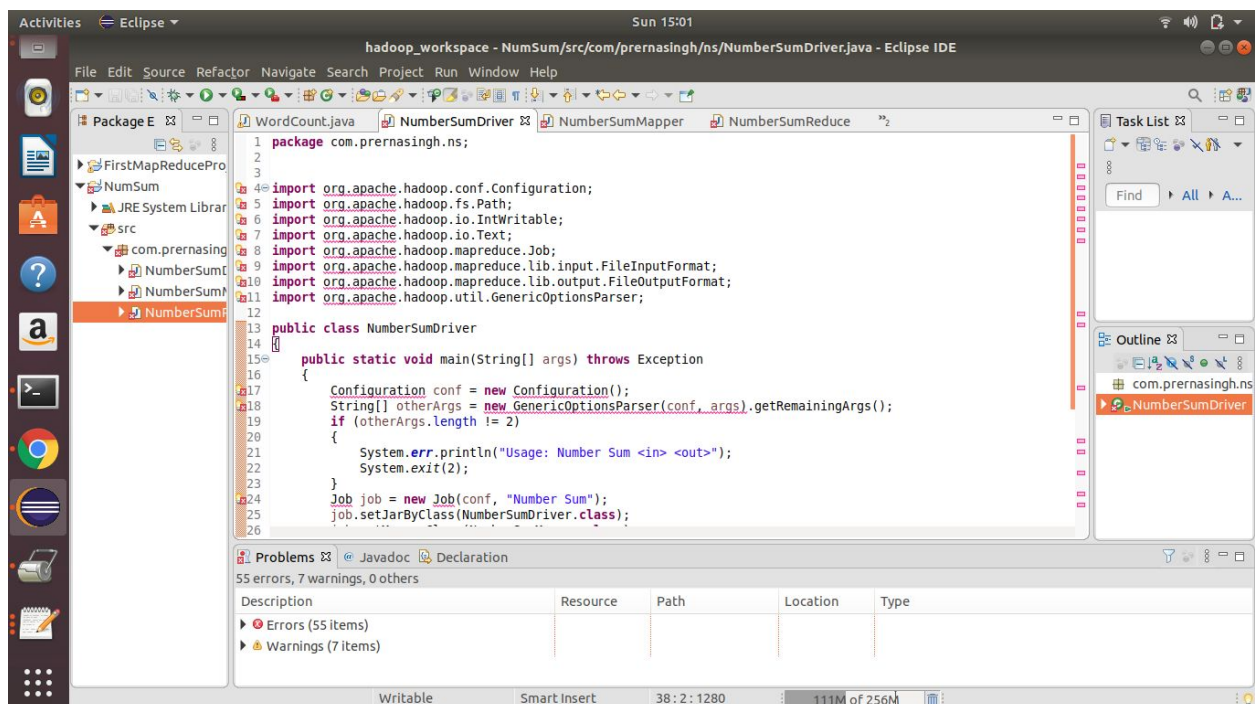
**Step 2.4:** Build Path

Right click on Project Name and go to Build Path and then config BuildPath

**Step 2.5:** Add External Jars
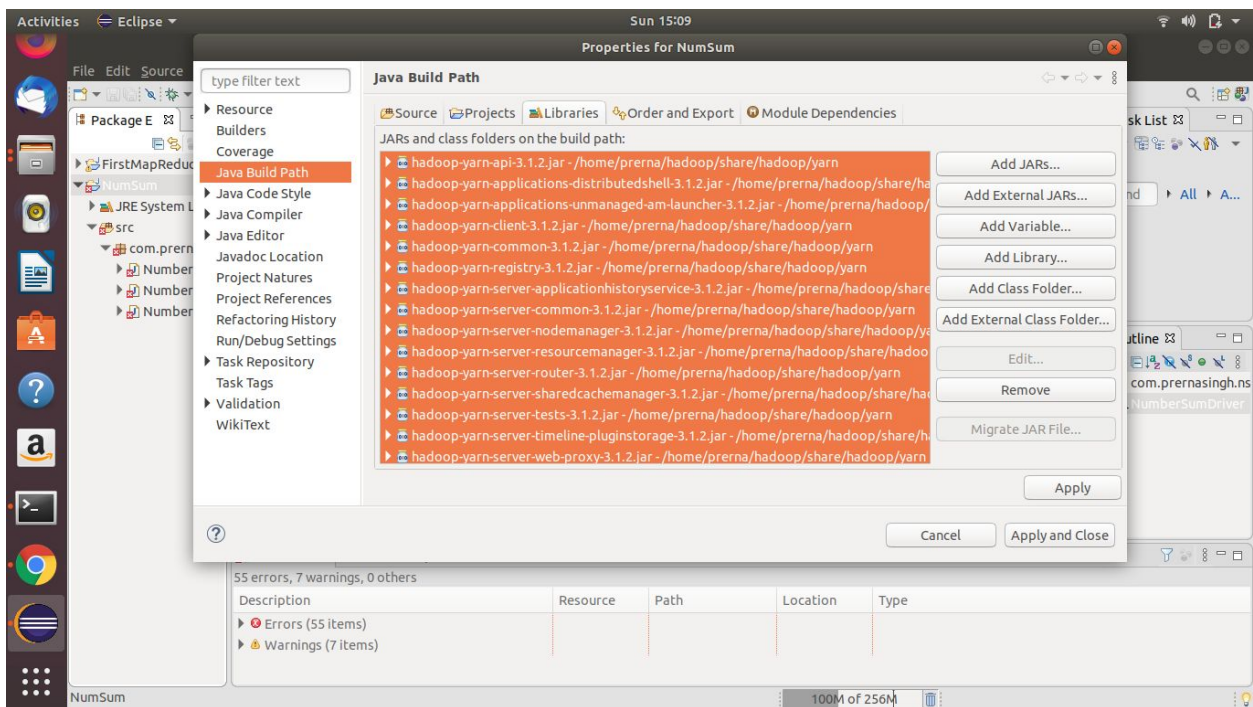


**Step 2.6:** go to hadoop >> share>> hadoop

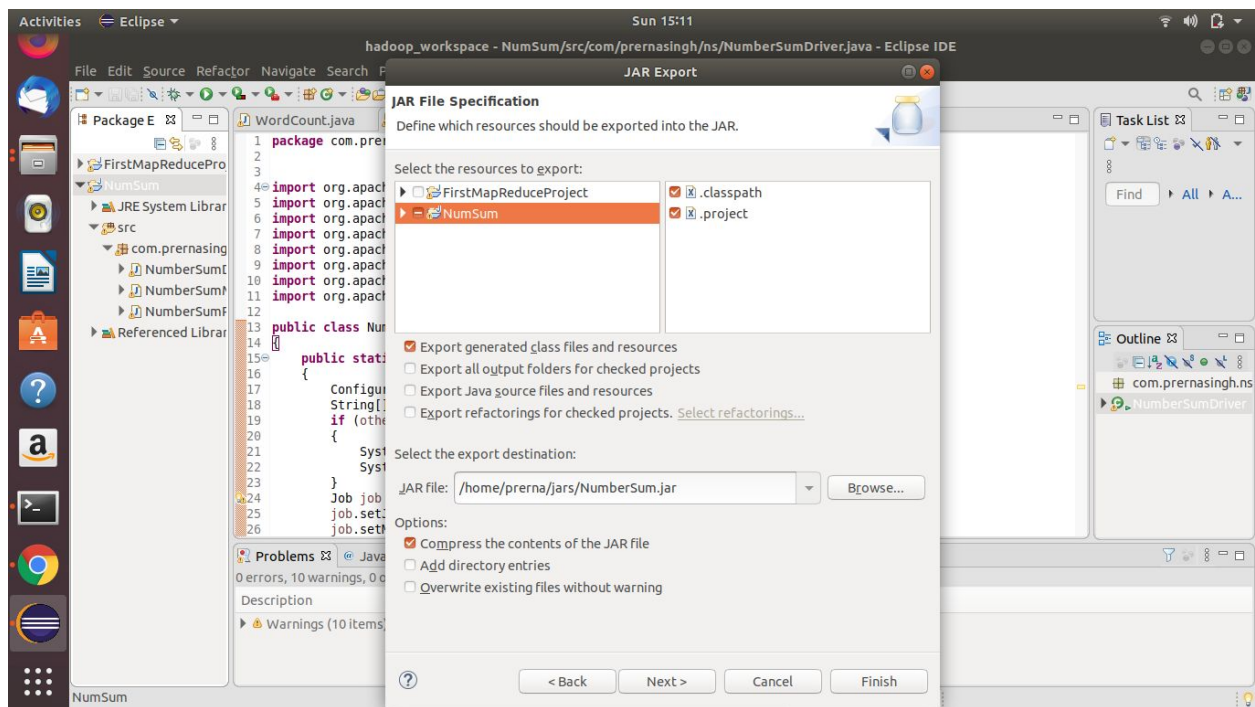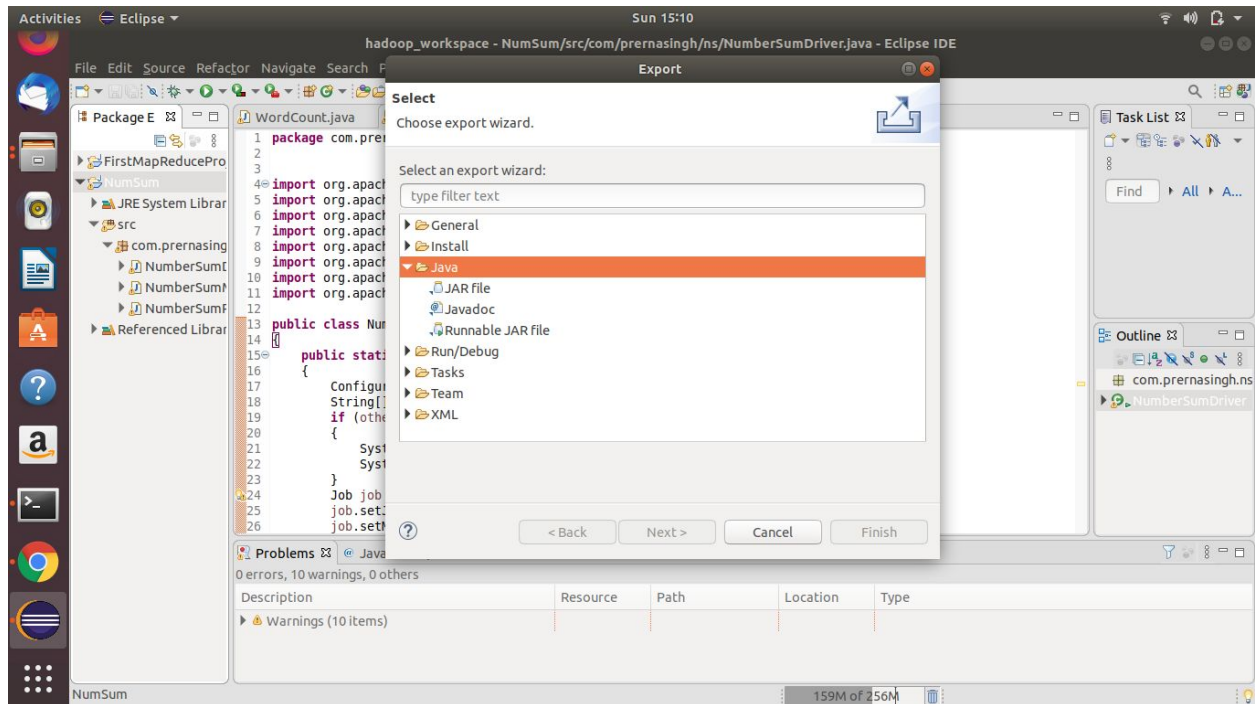**Step 2.7:** add client jars ;

              common jars;

              common>>lib jars ;

              yarn jars ;
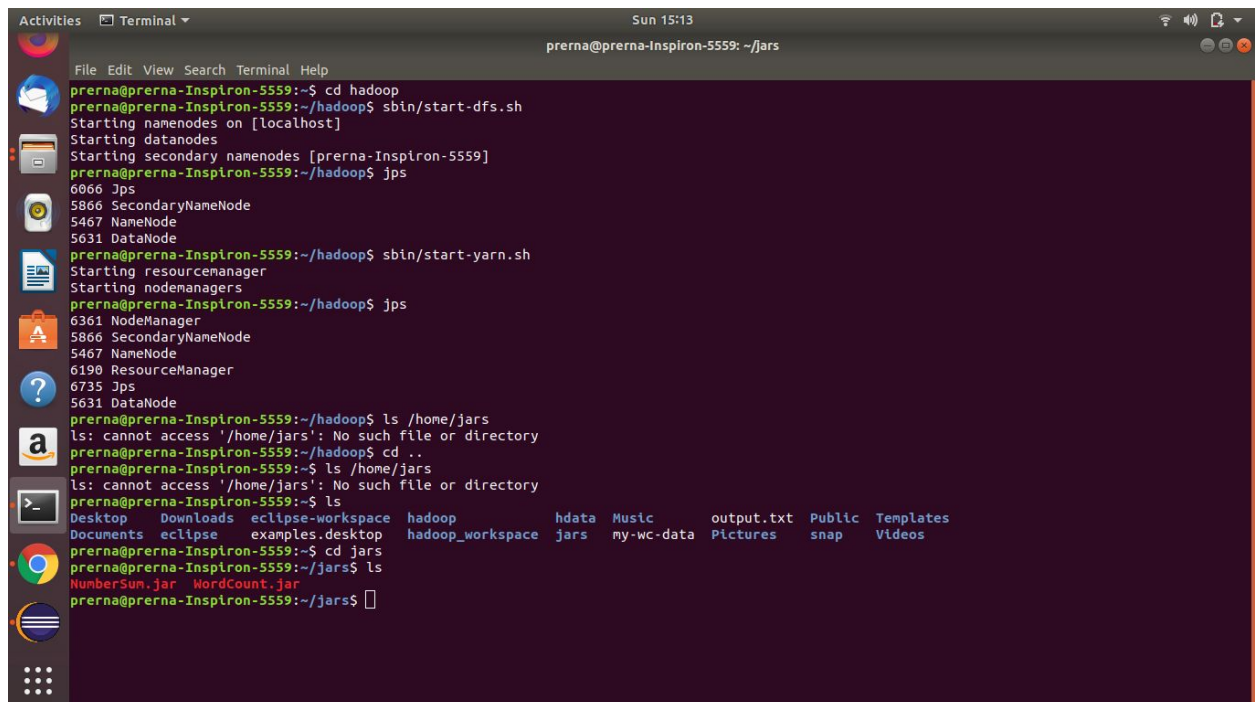
              mapreduce jars;

              hdfs jars



    Click on apply and close

**Step 2.8:** Right click on ProjectName >> Export and select jar file

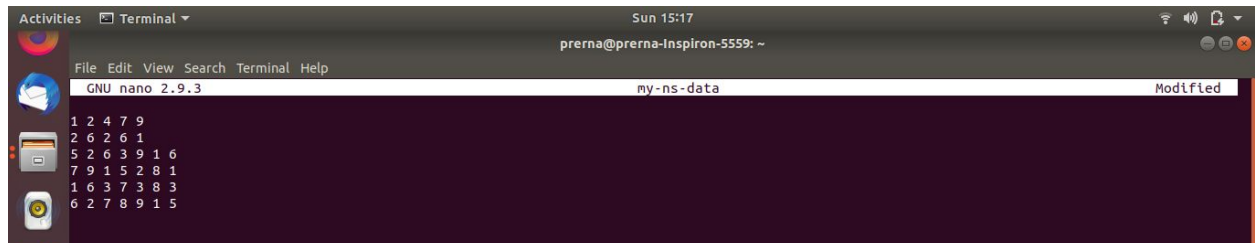  Give a path name or destination name
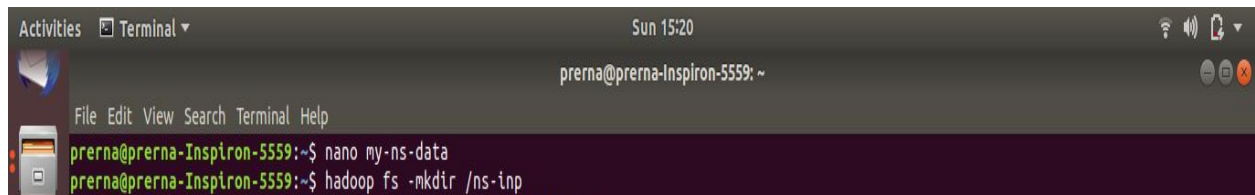
  Click Finish

**Step 3:** Run on terminal



**Step 4:** Create input file

**Step 5:** Create directory in hadoop



**Step 6:** Put data in directory



**Step 7:** Start the program

**Step 8:** See the Output (First file should be success)



**Step 9:** See the output

```
            File Output Format Counters
                Bytes Written=4
prerna@prerna-Inspiron-5559:~$ hadoop fs -ls /ns-out
Found 2 items
-rw-r--r--   1 prerna supergroup          0 2020-02-23 15:23 /ns-out/_SUCCESS
-rw-r--r--   1 prerna supergroup          4 2020-02-23 15:23 /ns-out/part-r-00000
prerna@prerna-Inspiron-5559:~$ hadoop fs -cat /ns-out/part-r-00000
174
prerna@prerna-Inspiron-5559:~$ 
```

**Step 10:** Stop hadoop

```
prerna@prerna-Inspiron-5559:~$ cd hadoop
prerna@prerna-Inspiron-5559:~/hadoop$ sbin/stop-yarn.sh
Stopping nodemanagers
localhost: WARNING: nodemanager did not stop gracefully after 5 seconds: Trying to kill with kill -9
Stopping resourcemanager
prerna@prerna-Inspiron-5559:~/hadoop$ sbin/stop-dfs.sh
Stopping namenodes on [localhost]
Stopping datanodes
Stopping secondary namenodes [prerna-Inspiron-5559]
prerna@prerna-Inspiron-5559:~/hadoop$ jps
9953 Jps
7157 org.eclipse.equinox.launcher_1.5.600.v20191014-2022.jar
prerna@prerna-Inspiron-5559:~/hadoop$ 
```