Procedure of Number Sum

Step 1 : Start hadoop

Step 2: For Java Program
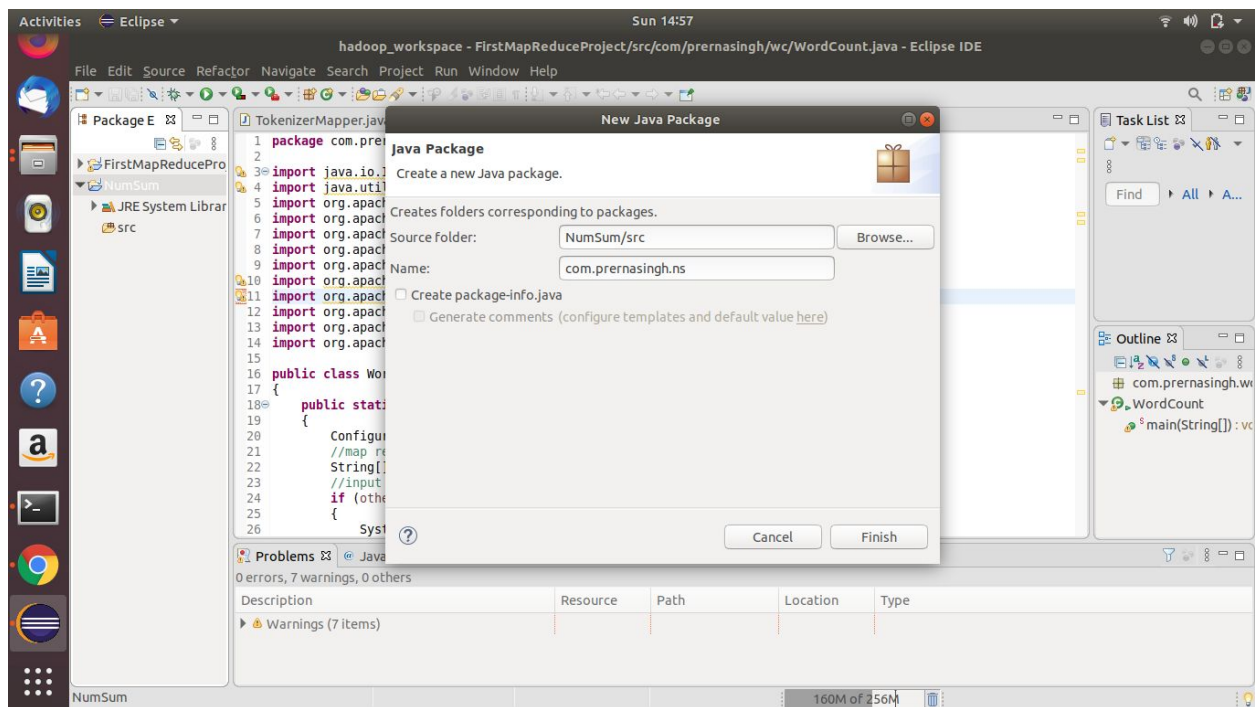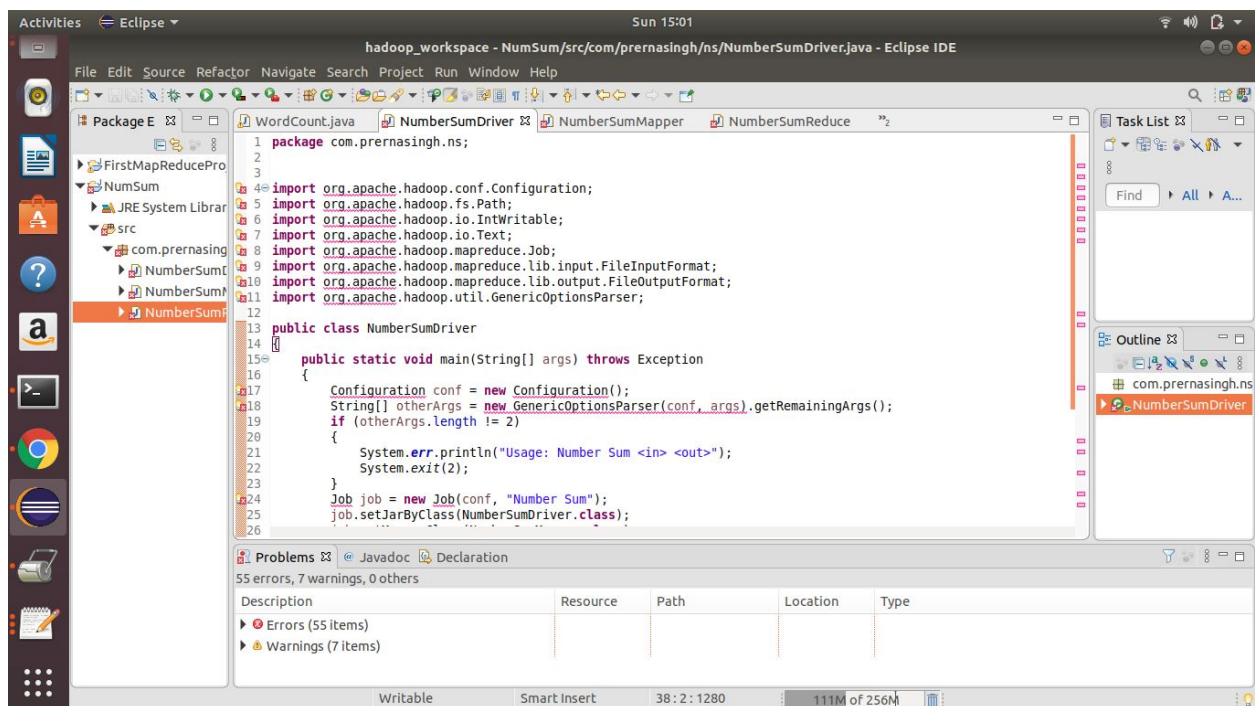
  Step 2.1: Create project

Step 2.2: Create package
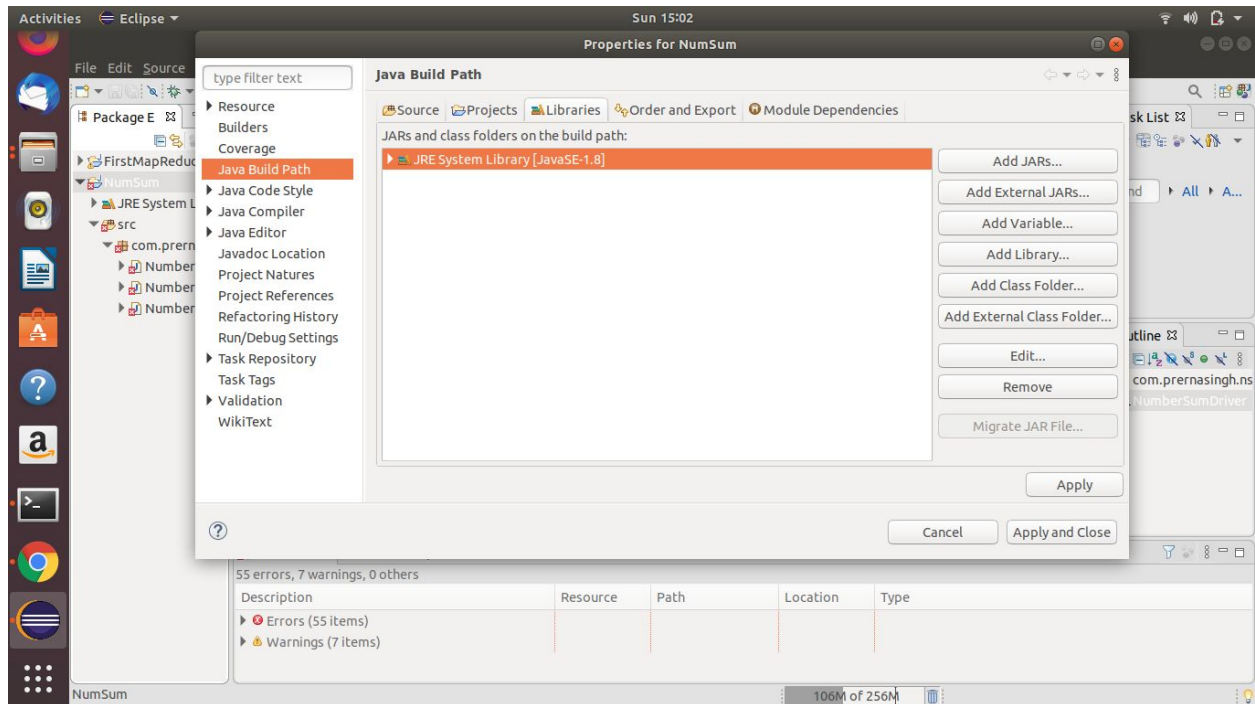

Step 2.3: Write Code

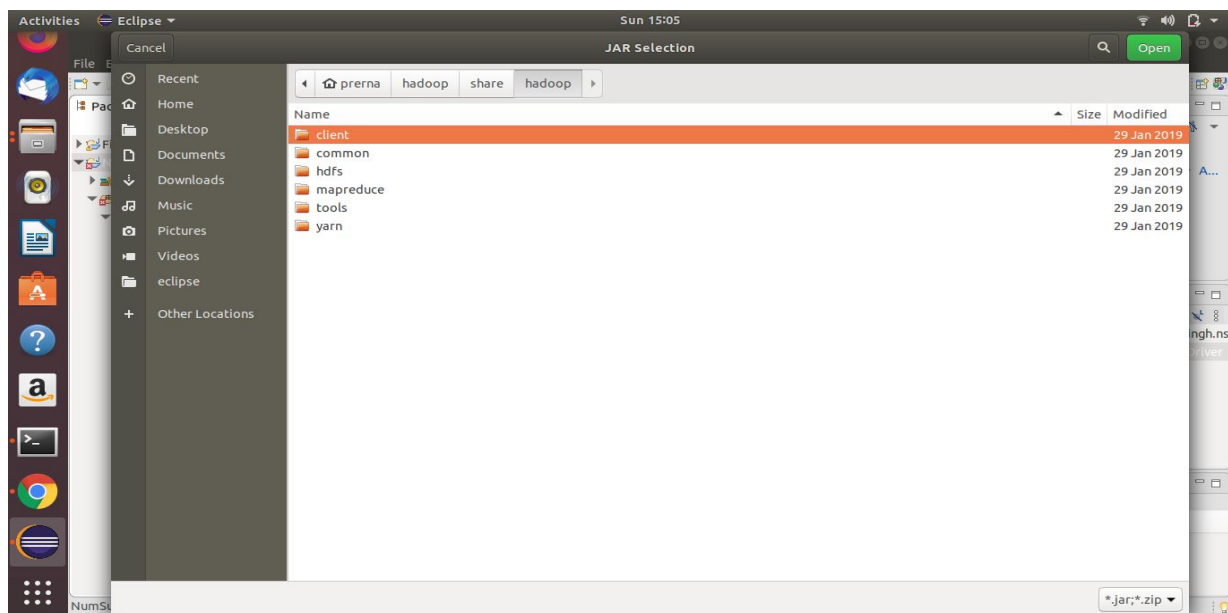https://www.dropbox.com/s/48xl2rudbo7bnwn/NumberSum_Code.zip?dl=0

Step 2.4: Build Path

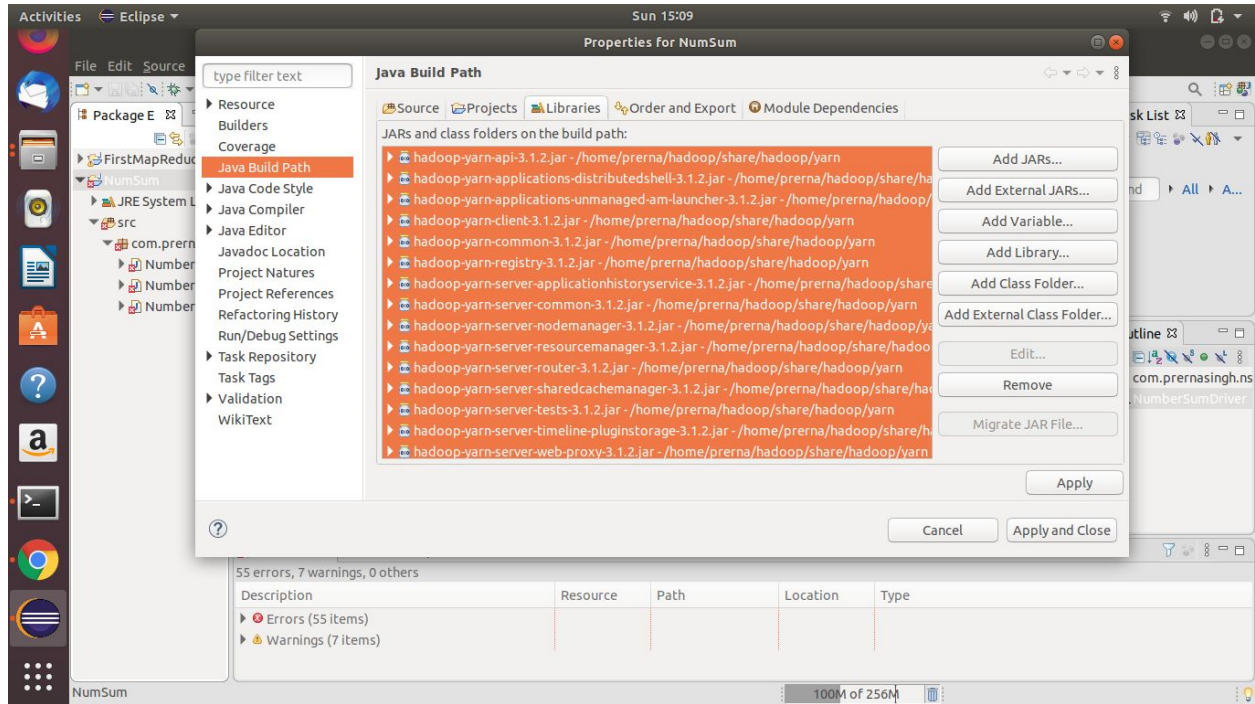Right click on Project Name and go to Build Path and then config BuildPath

Step 2.5: Add External Jars

Step 2.6: go to hadoop >> share>> hadoop
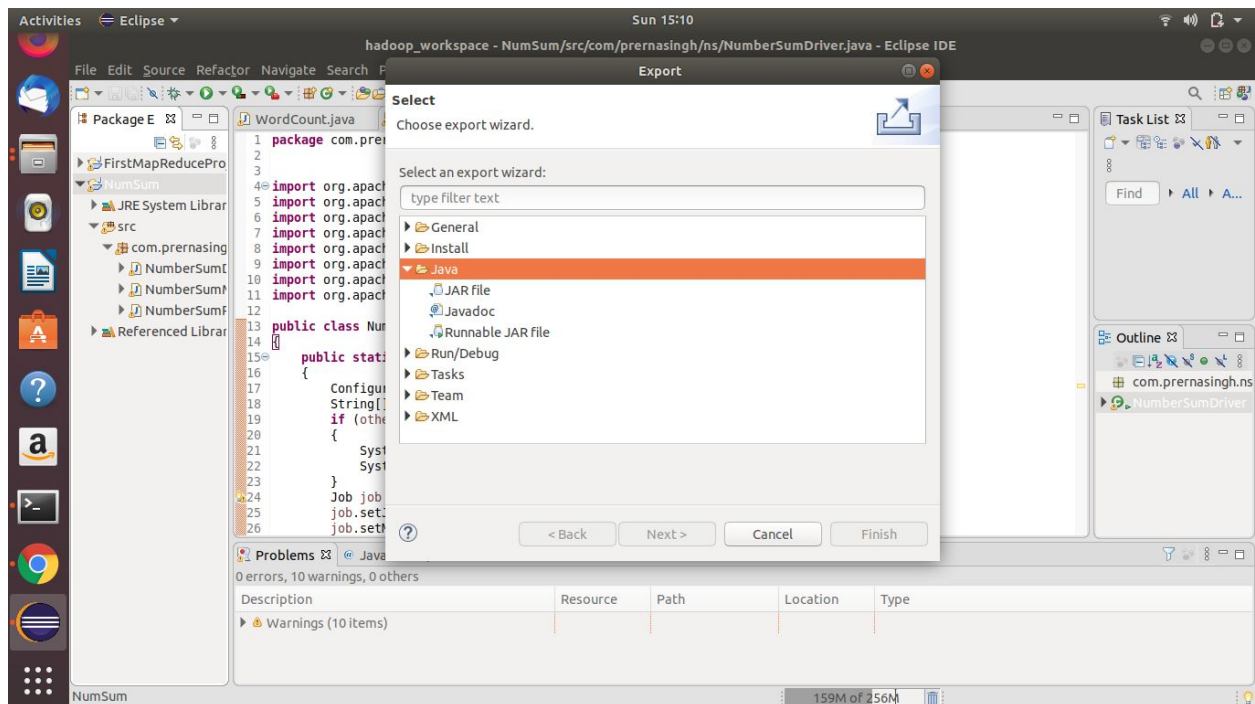
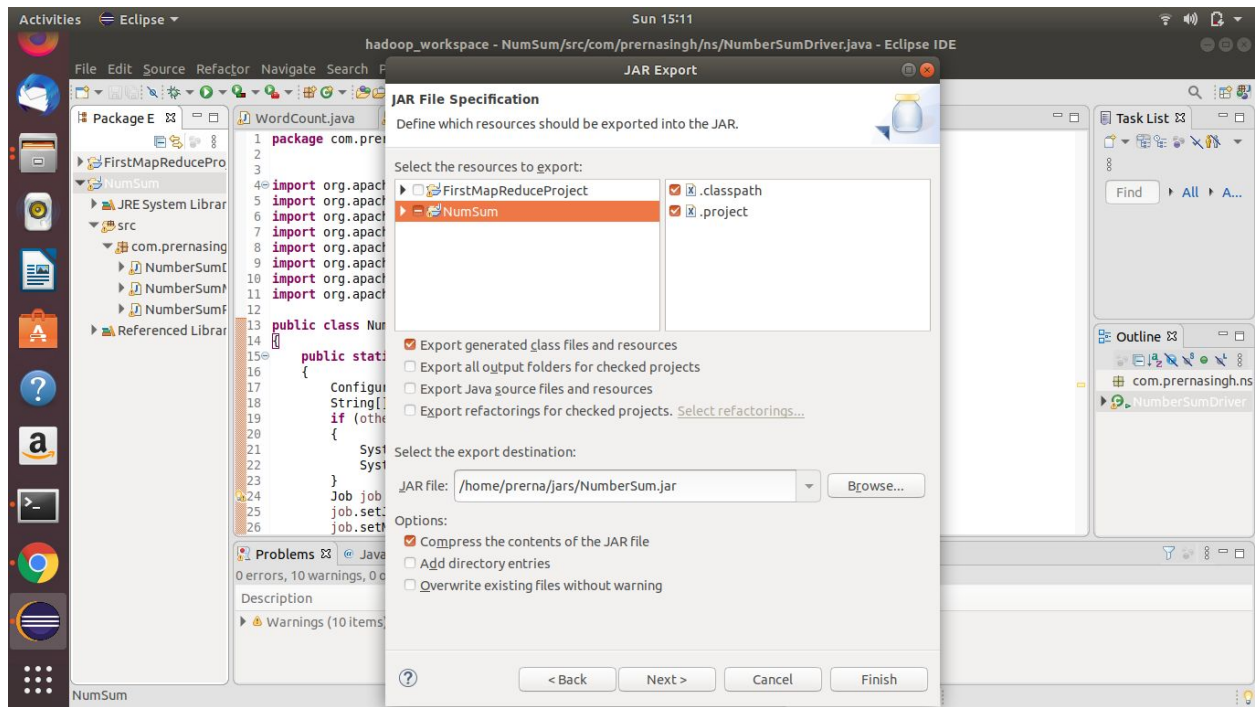**Step 2.7:** add client jars ;

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)

prerna@prerna-Inspiron-5559: ~

File Edit View Search Terminal Help

```
                Map output bytes=48
                Map output materialized bytes=66
                Input split bytes=104
                Combine input records=0
                Combine output records=0
                Reduce input groups=1
                Reduce shuffle bytes=66
                Reduce input records=6
                Reduce output records=1
                Spilled Records=12
                Shuffled Maps =1
                Failed Shuffles=0
                Merged Map outputs=1
                GC time elapsed (ms)=115
                CPU time spent (ms)=1340
                Physical memory (bytes) snapshot=511709184
                Virtual memory (bytes) snapshot=5320900608
                Total committed heap usage (bytes)=459800576
                Peak Map Physical memory (bytes)=282804224
                Peak Map Virtual memory (bytes)=2656976896
                Peak Reduce Physical memory (bytes)=228904960
                Peak Reduce Virtual memory (bytes)=2663923712
        Shuffle Errors
                BAD_ID=0
                CONNECTION=0
                IO_ERROR=0
                WRONG_LENGTH=0
                WRONG_MAP=0
                WRONG_REDUCE=0
        File Input Format Counters
                Bytes Read=77
        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:~$ 
```

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$ 
```