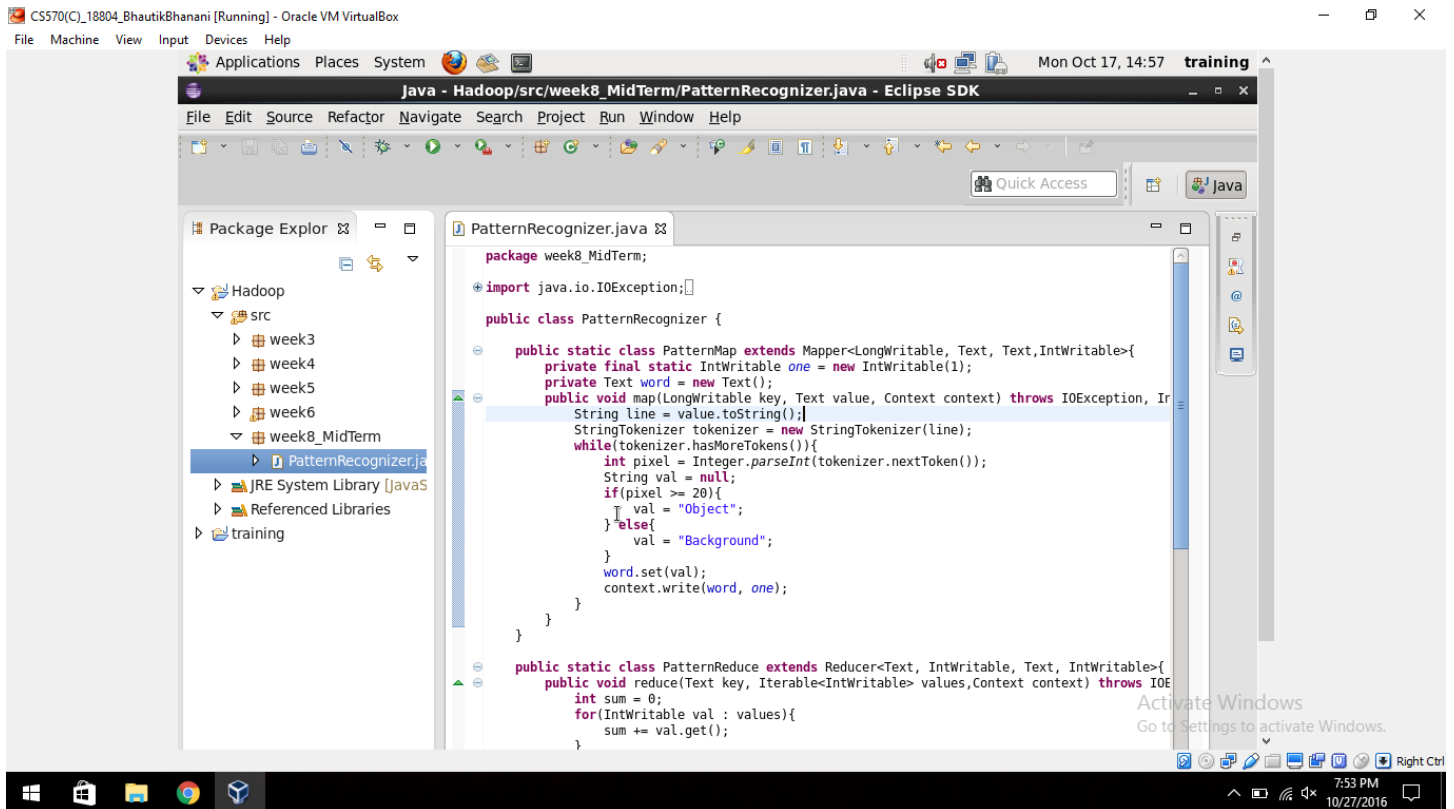


Pattern Recognition

Solution:

Step 1: Open Cloudera and open Eclipse in it. Create one class under Hadoop project and name it 'PatternRecognizer'.

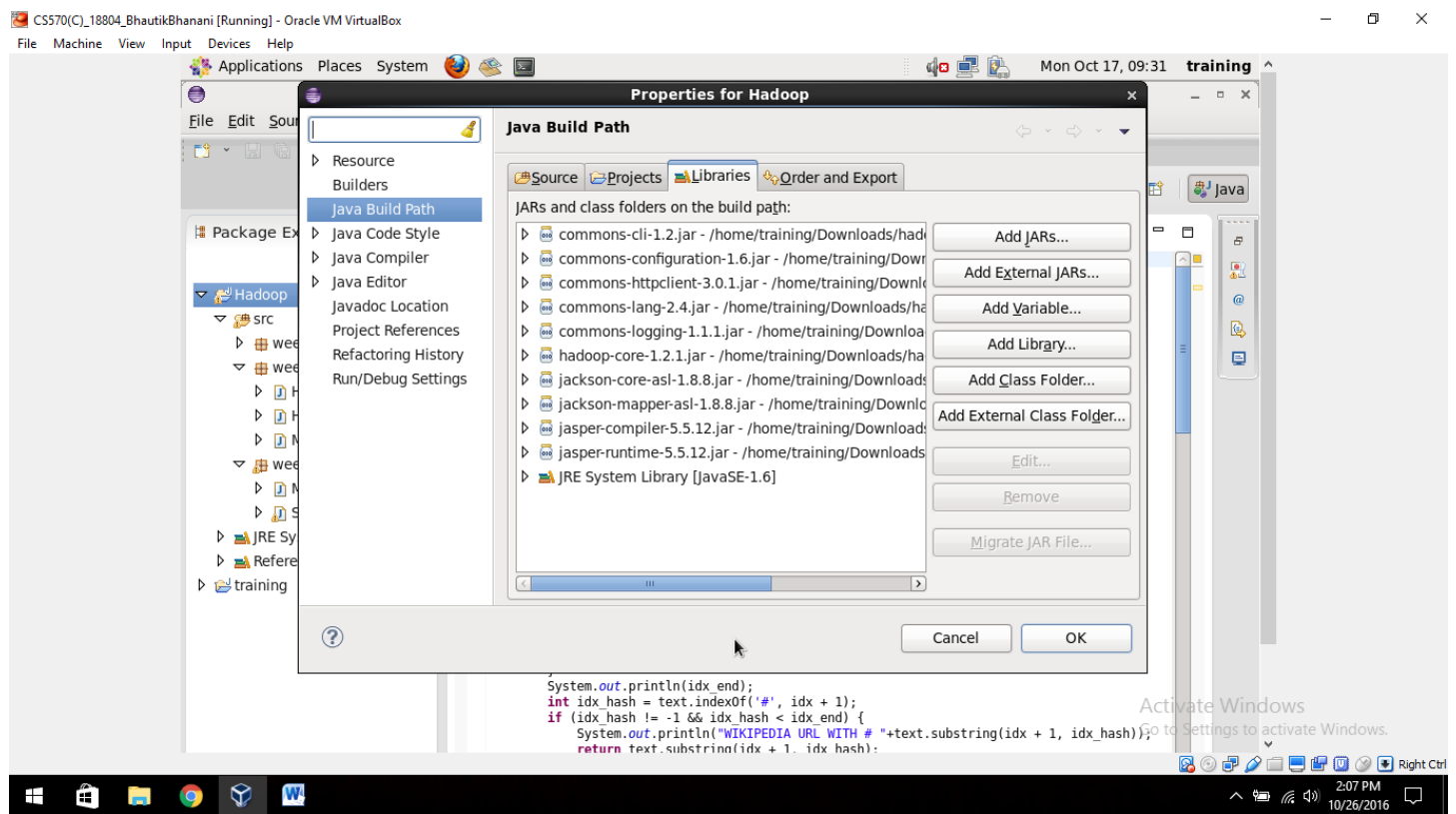


Step 2: This is the codes for java file.

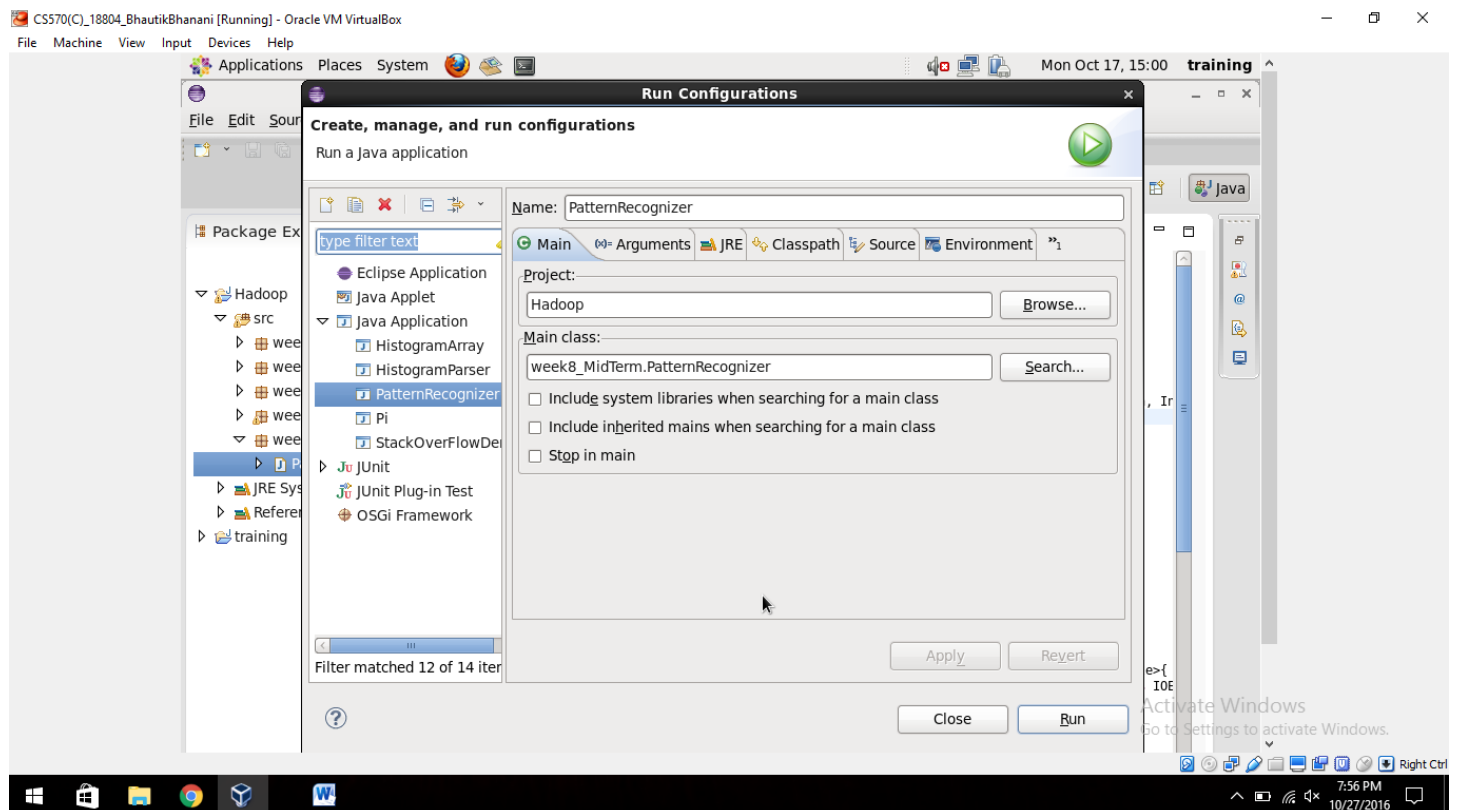
PatternRecognizer.java

```
// copy file from repository
```

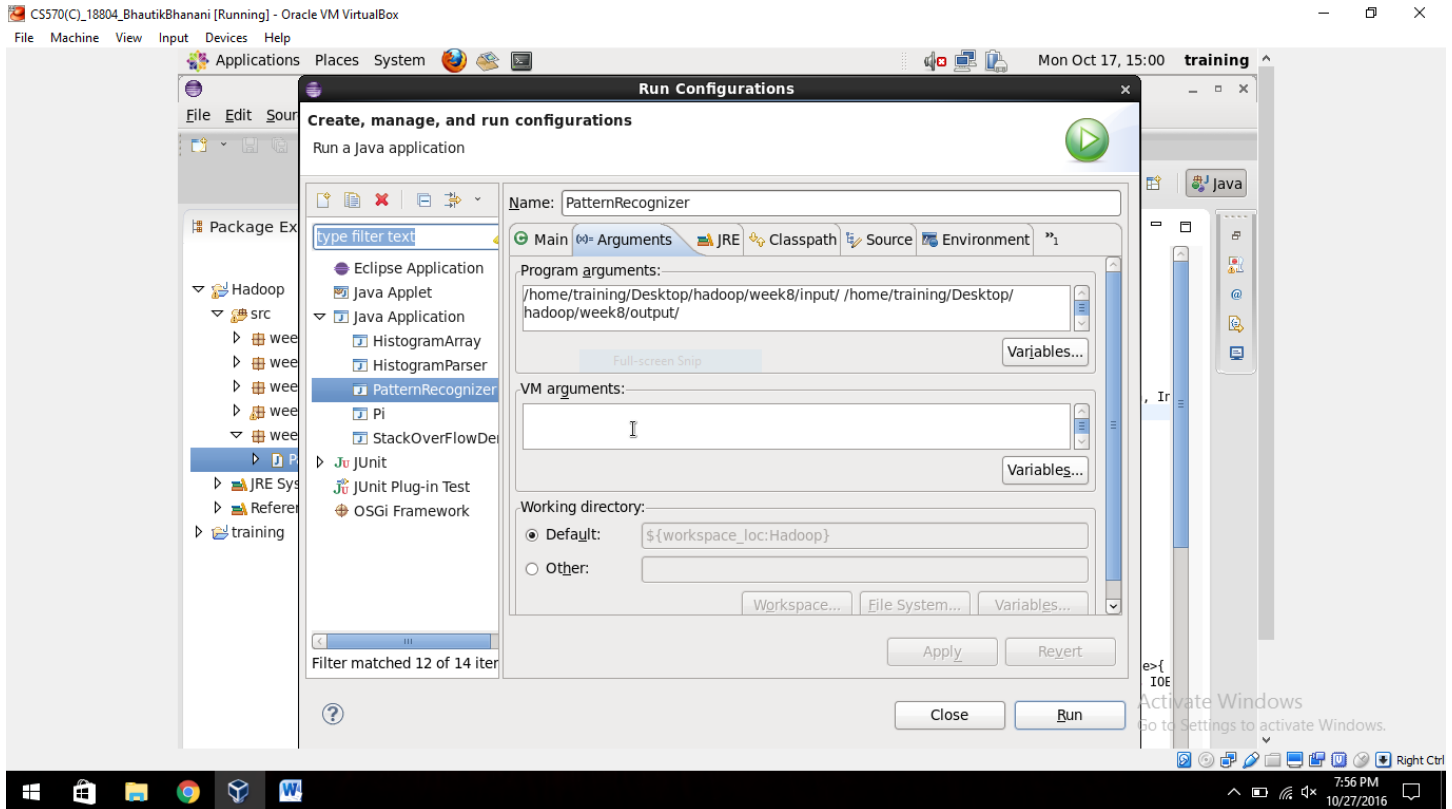
Step 3: Now import necessary hadoop jar files into “Java Build Path” of your project.



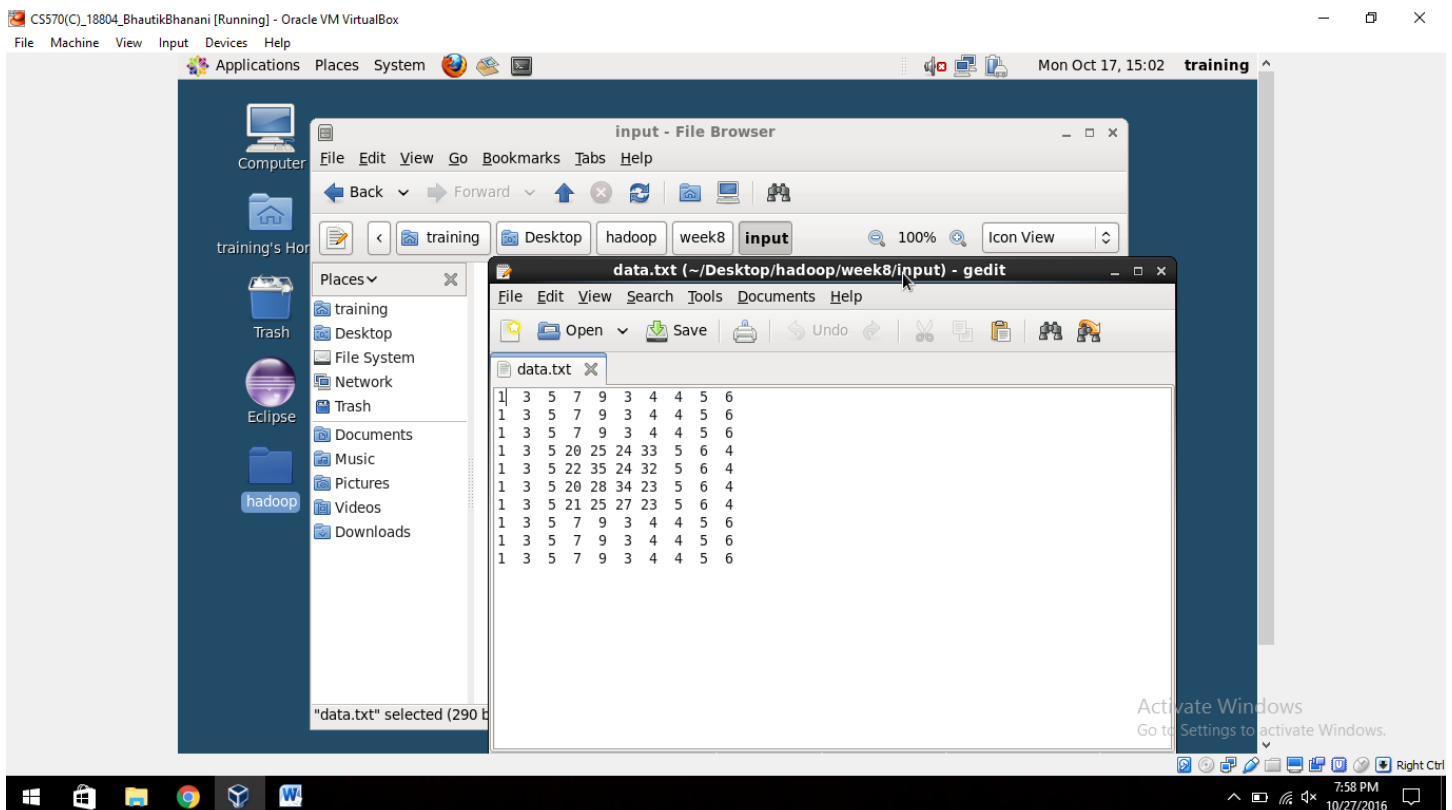
Step 4: Now run this program for once, so this class comes under “Java Application” in Run Configuration window.



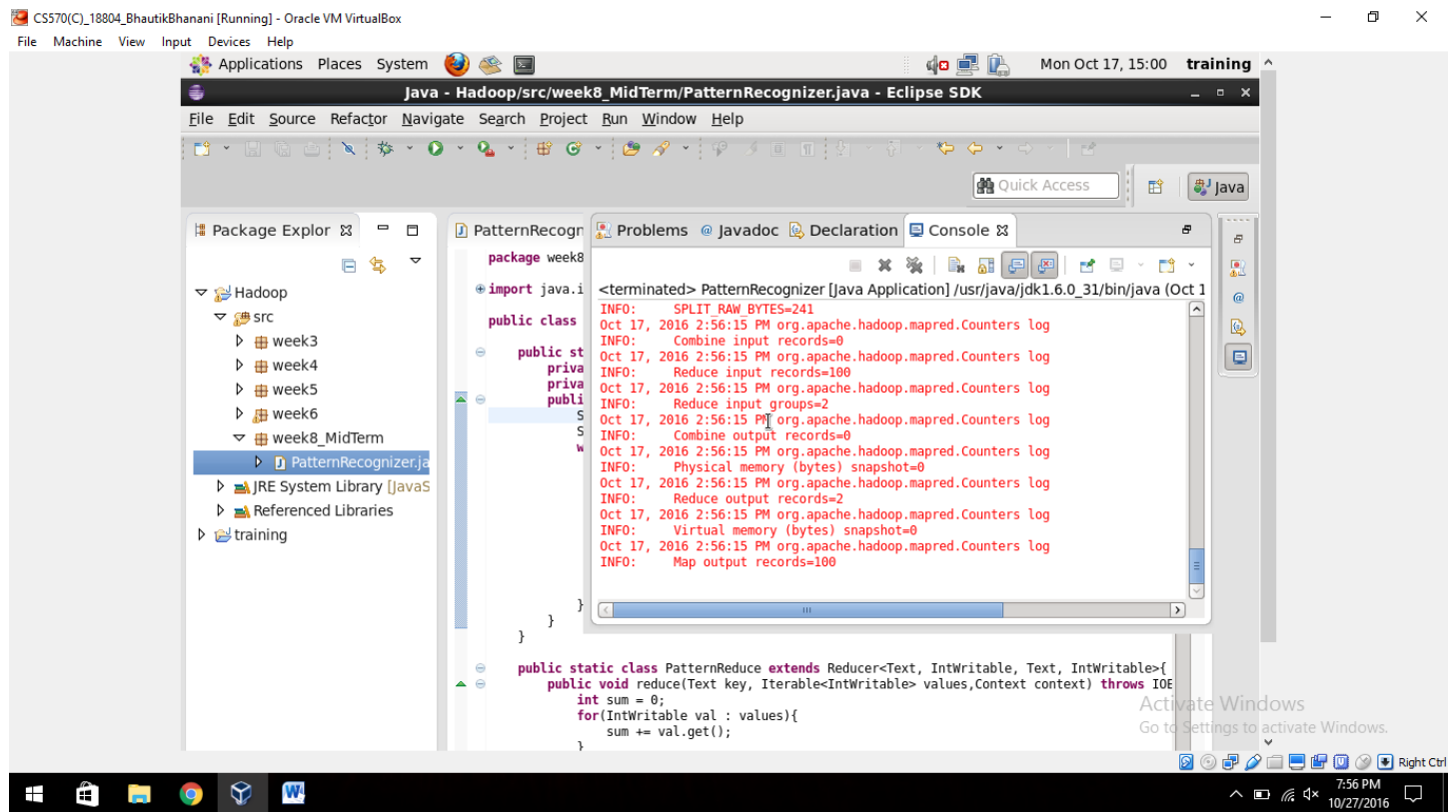
Step 5: Now add argument under “Arguments” window and for first argument give input folder and for second argument, give output folder.



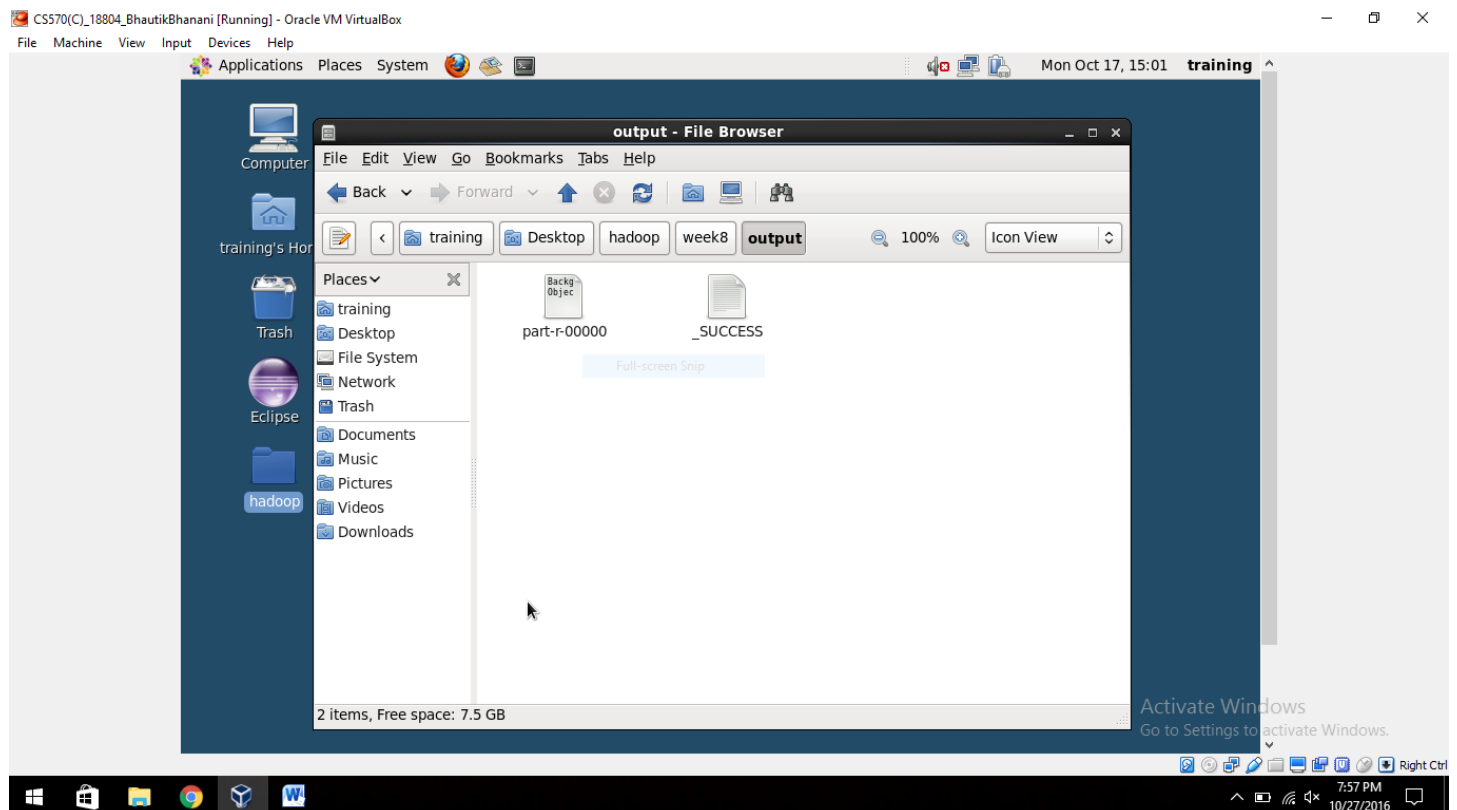
Step 6: Now create input file under input folder and put pixel data.



Step 7: Now run the program for both Small data and Big data by changing arguments.



Step 8: Now check output folder.



Now open part-r-00000 file

