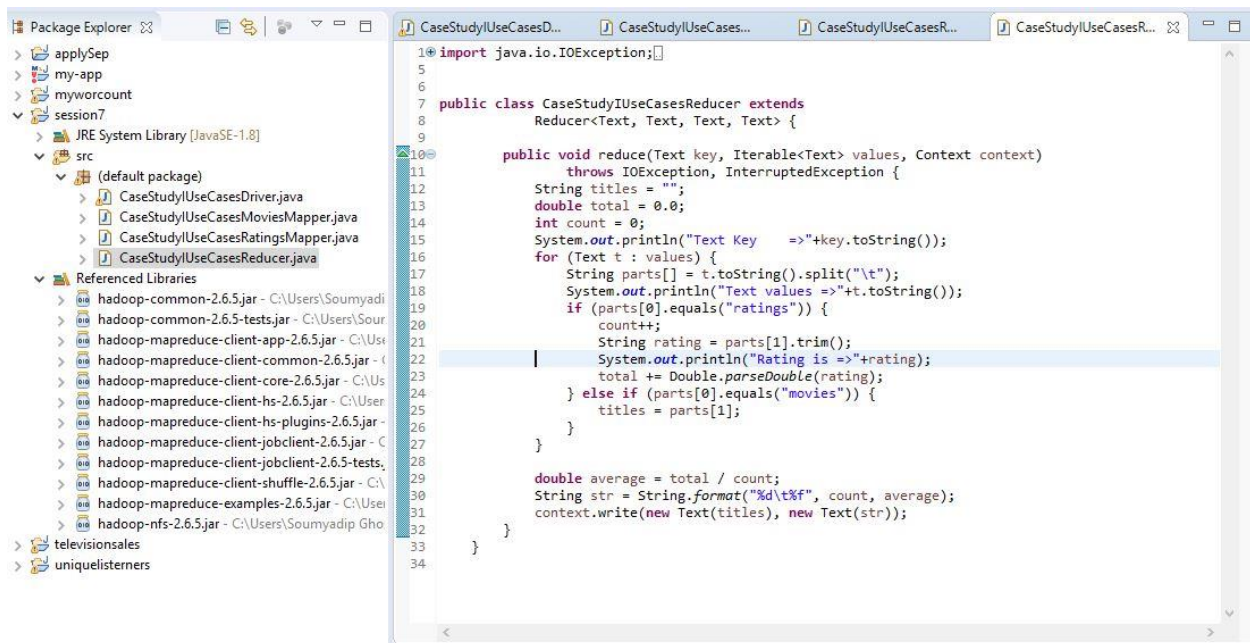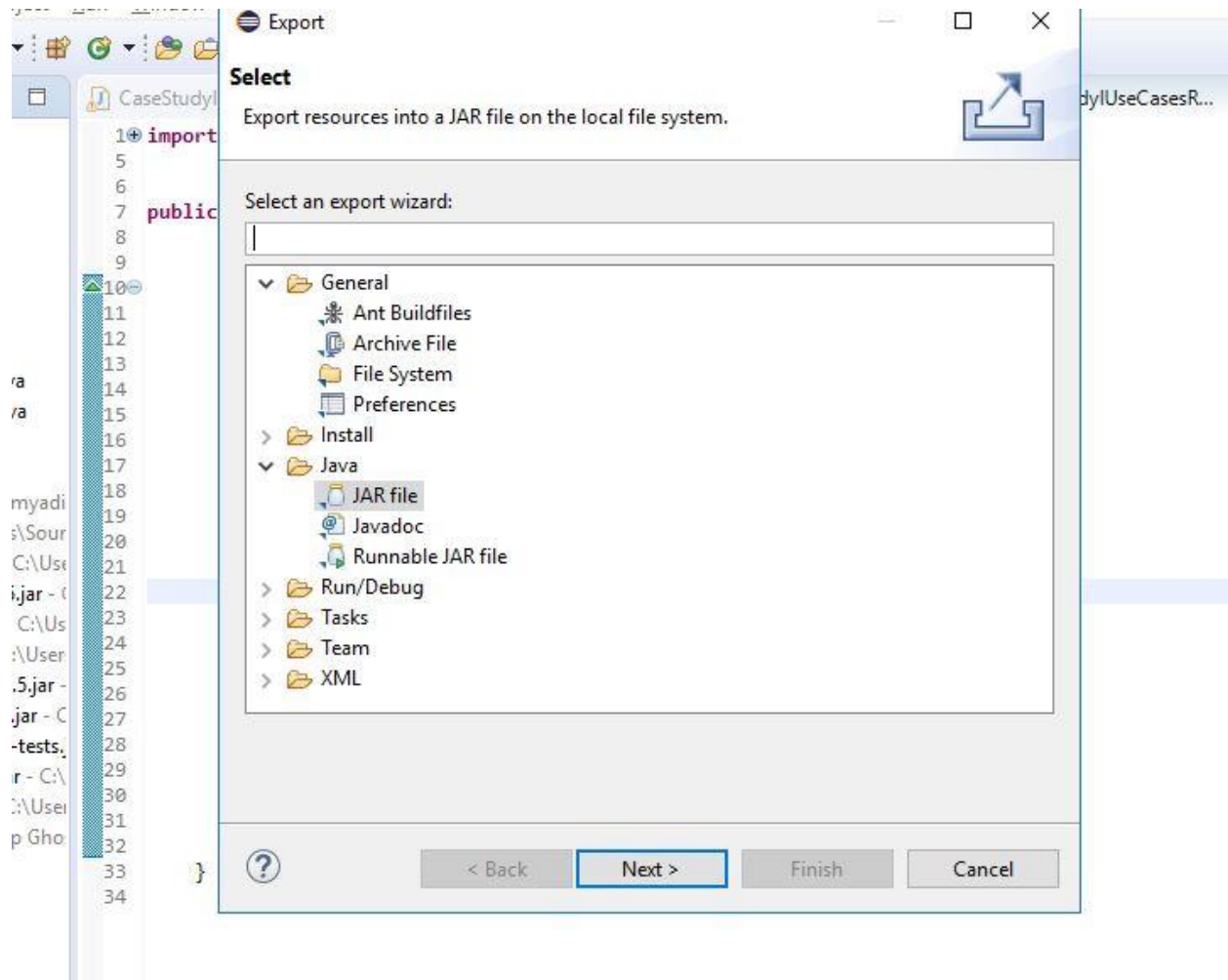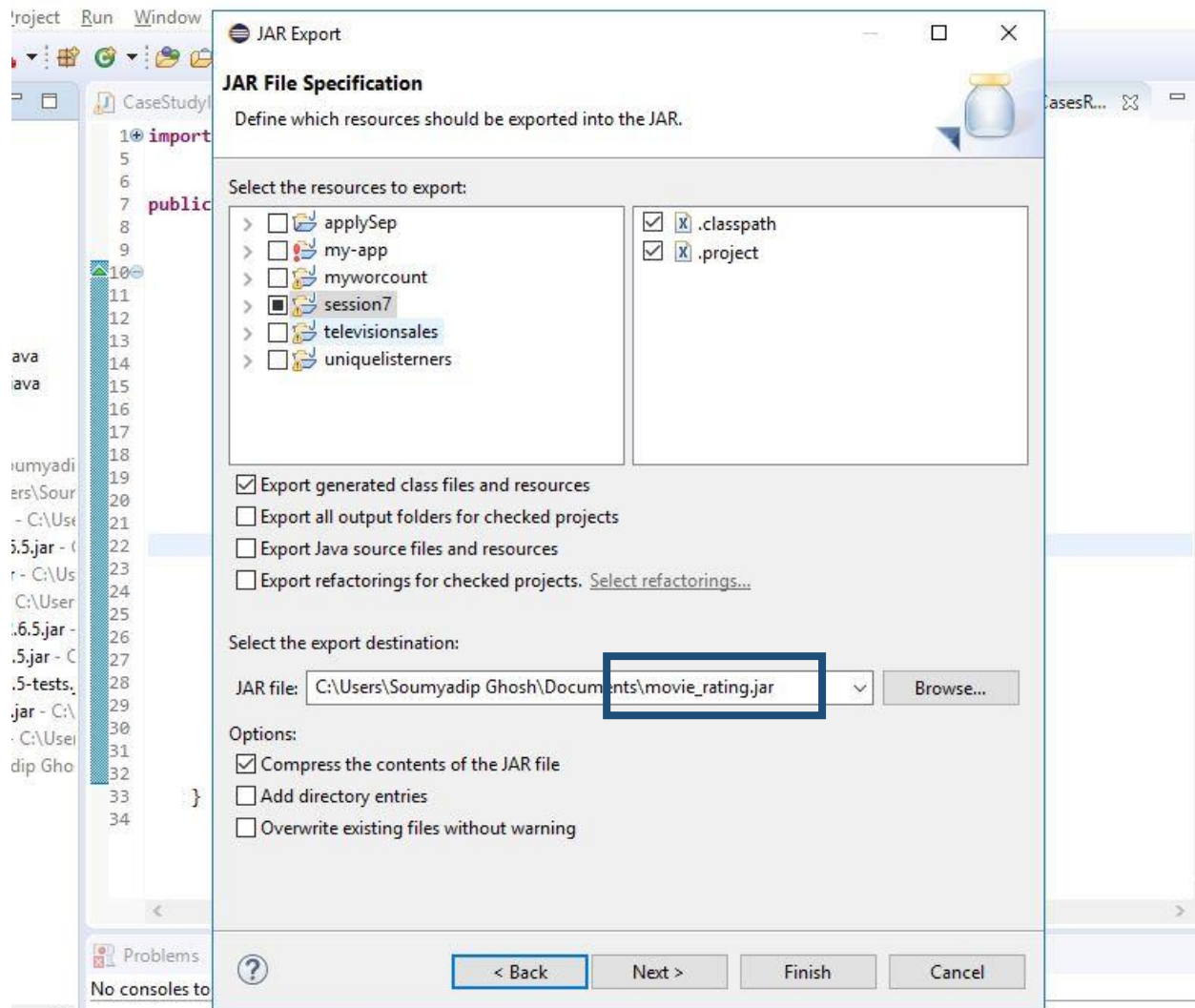Adding source code and necessary jars :
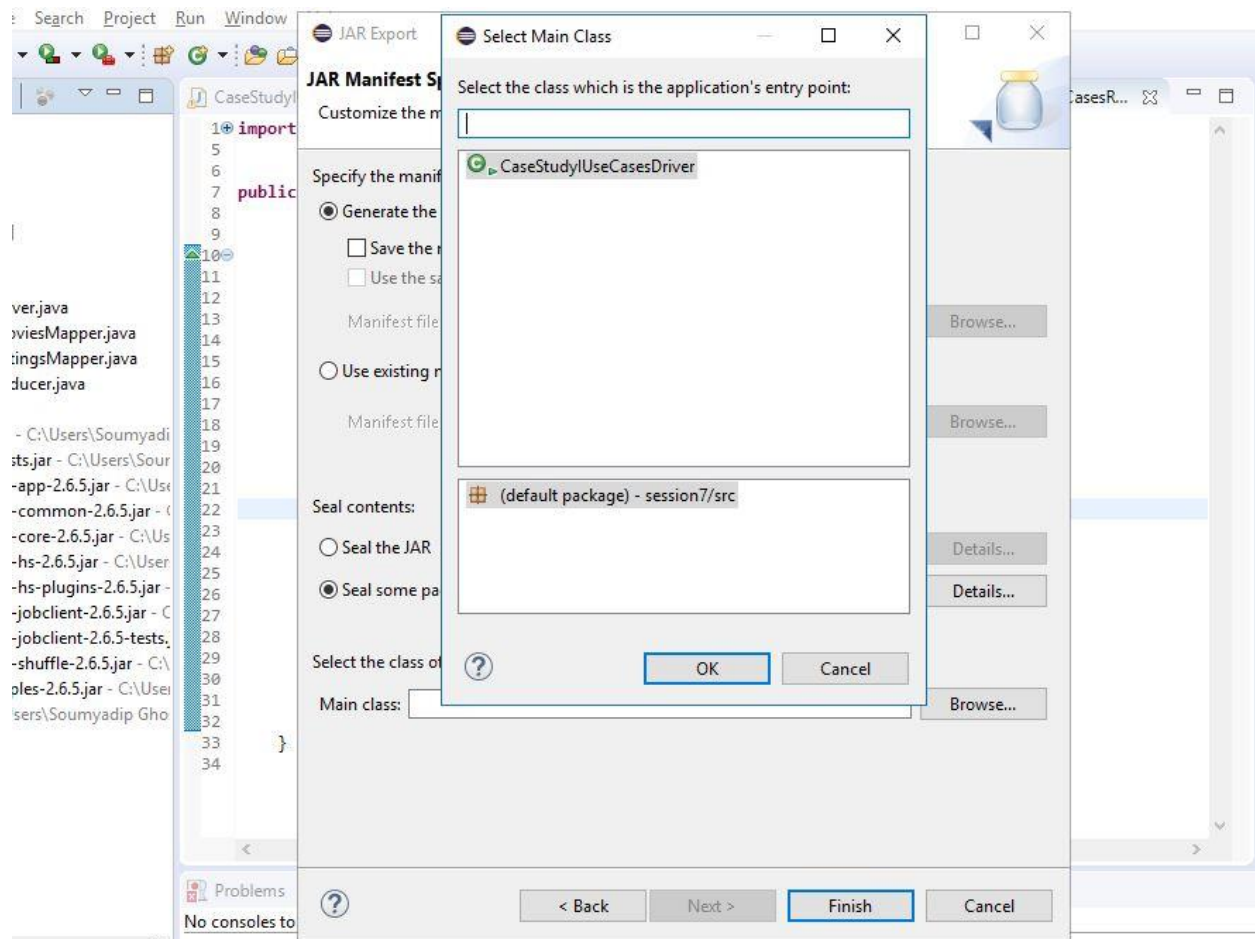
Exporting jar file :

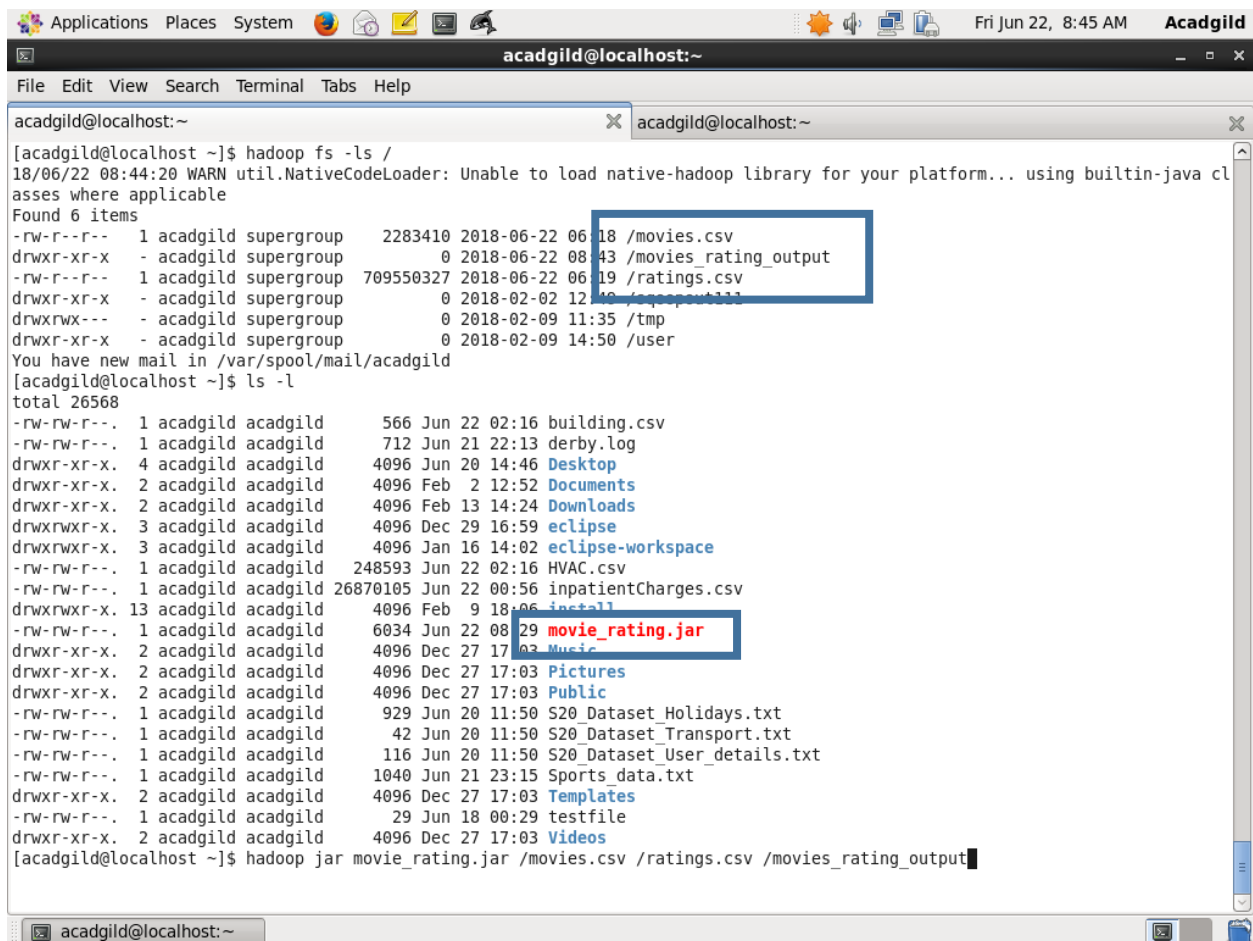Add name for the jar file and click next :

Select driver class as the main class and click on finish :

Running job:

acadgild@localhost:~   _ ▫ ✕

File   Edit   View   Search   Terminal   Tabs   Help

| acadgild@localhost:~ | ✕ | acadgild@localhost:~ | ✕ |

```
-rw-rw-r--.  1 acadgild acadgild      116 Jun 20 11:50 S20_Dataset_User_details.txt
-rw-rw-r--.  1 acadgild acadgild     1040 Jun 21 23:15 Sports_data.txt
drwxr-xr-x.  2 acadgild acadgild     4096 Dec 27 17:03 Templates
-rw-rw-r--.  1 acadgild acadgild       29 Jun 18 00:29 testfile
drwxr-xr-x.  2 acadgild acadgild     4096 Dec 27 17:03 Videos
[acadgild@localhost ~]$ hadoop jar movie_rating.jar /movies.csv /ratings.csv /movies_rating_output
18/06/22 08:46:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
18/06/22 08:46:07 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/06/22 08:46:09 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool in
terface and execute your application with ToolRunner to remedy this.
18/06/22 08:46:10 INFO input.FileInputFormat: Total input paths to process : 1
18/06/22 08:46:10 INFO input.FileInputFormat: Total input paths to process : 1
18/06/22 08:46:10 INFO mapreduce.JobSubmitter: number of splits:7
18/06/22 08:46:10 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1529599366963_0002
18/06/22 08:46:11 INFO impl.YarnClientImpl: Submitted application application_1529599366963_0002
18/06/22 08:46:11 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1529599366963_0002/
18/06/22 08:46:11 INFO mapreduce.Job: Running job: job_1529599366963_0002
18/06/22 08:46:24 INFO mapreduce.Job: Job job_1529599366963_0002 running in uber mode : false
18/06/22 08:46:24 INFO mapreduce.Job:  map 0% reduce 0%
18/06/22 08:47:23 INFO mapreduce.Job:  map 3% reduce 0%
18/06/22 08:47:28 INFO mapreduce.Job:  map 6% reduce 0%
18/06/22 08:47:29 INFO mapreduce.Job:  map 16% reduce 0%
18/06/22 08:47:32 INFO mapreduce.Job:  map 24% reduce 0%
18/06/22 08:47:35 INFO mapreduce.Job:  map 27% reduce 0%
18/06/22 08:47:38 INFO mapreduce.Job:  map 30% reduce 0%
18/06/22 08:47:41 INFO mapreduce.Job:  map 31% reduce 0%
18/06/22 08:47:42 INFO mapreduce.Job:  map 34% reduce 0%
18/06/22 08:47:45 INFO mapreduce.Job:  map 36% reduce 0%
18/06/22 08:47:49 INFO mapreduce.Job:  map 37% reduce 0%
18/06/22 08:47:52 INFO mapreduce.Job:  map 39% reduce 0%
18/06/22 08:47:56 INFO mapreduce.Job:  map 40% reduce 0%
18/06/22 08:47:59 INFO mapreduce.Job:  map 45% reduce 0%
18/06/22 08:48:28 INFO mapreduce.Job:  map 49% reduce 0%
18/06/22 08:48:31 INFO mapreduce.Job:  map 52% reduce 0%
18/06/22 08:48:32 INFO mapreduce.Job:  map 53% reduce 0%
18/06/22 08:48:34 INFO mapreduce.Job:  map 57% reduce 0%
```

acadgild@localhost:~

Output of map reduce :

First column lists the movie which have been rated

Second column is the number of times users have rated

And third column is the average rating

Example toy story has been rated 66008 times with an average rating of 3.88