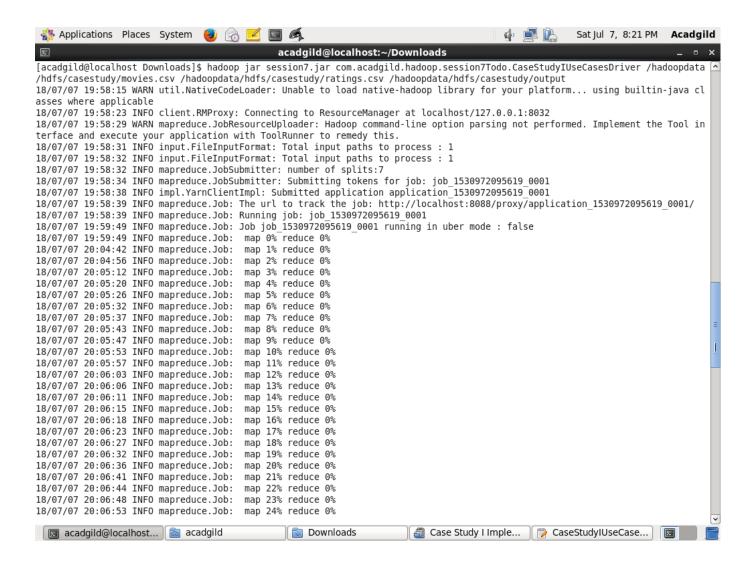
Problem Statement:

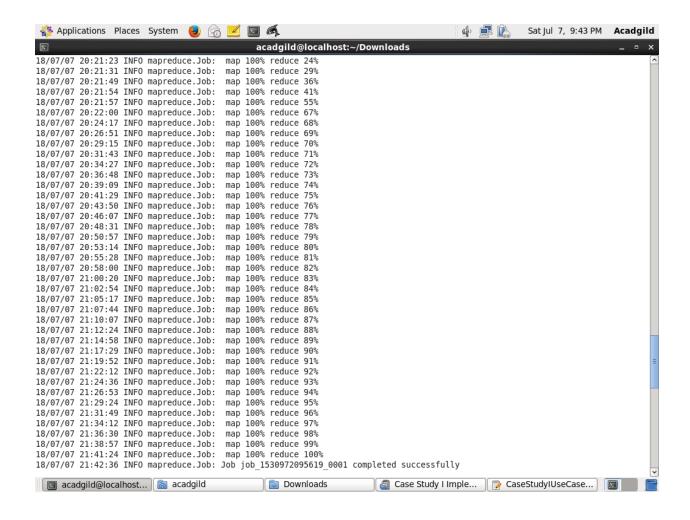
What are the movie titles that the user has rated?

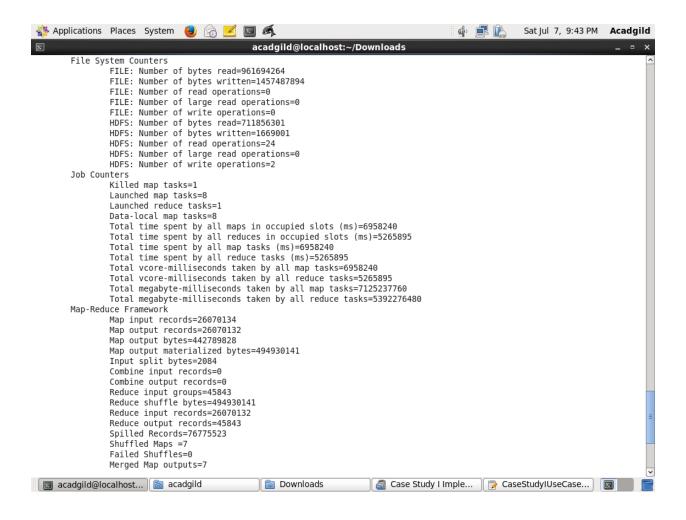
How many times a movie has been rated by the user?

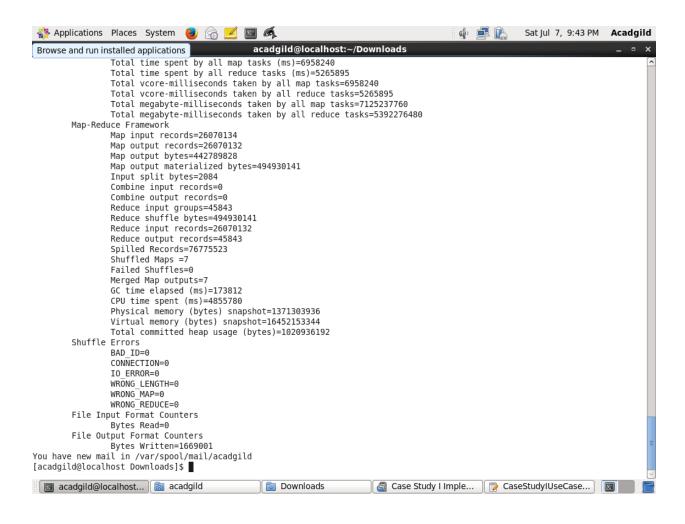
In question 2 above, what is the average rating given for a movie?

```
[acadgild@localhost Downloads]$ hadoop fs -ls /hadoopdata/hdfs/casestudy
 18/07/07 19:45:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
 asses where applicable
 Found 6 items
round o items
-rw-r--r- 1 acadgild supergroup
-rw-r--r-- 1 ac
 You have new mail in /var/spool/mail/acadgild
 [acadgild@localhost Downloads]$ cd
 You have new mail in /var/spool/mail/acadgild
 [acadgild@localhost ~]$ hadoop fs -mkdir /hadoopdata/hdfs/casestudyoutput
 18/07/07 19:52:29 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
 asses where applicable
 You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -mkdir /hadoopdata/hdfs/casestudy/output
18/07/07 19:53:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
 asses where applicable
 [acadgild@localhost ~]$ hadoop jar session7.jar com.acadgild.hadoop.session7Todo.caseStudyUserCasesDriver /hadoopdata/hdfs/ca
 sestudy/movies.csv /hadoopdata/hdfs/casestudy/ratings.csv /hadoopdata/hdfs/casestudy/output
 Not a valid JAR: /home/acadgild/session7.jar
 You have new mail in /var/spool/mail/acadgild
 [acadgild@localhost ~]$
     acadgild@localhost:~
```









OUTPUT:

