

# Step 2

Monday, December 28, 2020

8:00 PM

✓ **Congratulations! You passed!**

TO PASS 80% or higher

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GRADE  
**100%**

## Step Two

LATEST SUBMISSION GRADE

100%

1. In the `SecondRatings` class, the name of the private variable to store the `ArrayList` of type `Movie` is named **myMovies**. For the constructor in this class that has two `String` parameters named **moviefile** and **ratingsfile**, which one of the following shows how one might call **loadMovies**, which is a method in the `FirstRatings` class?

1 point

- ☐

```
2 myMovies = loadMovies("data/" + moviefile);
```
- ☐

```
1 myMovies = loadMovies("data/" + moviefile);
```
- ☐

```
1 FirstRatings fr = new FirstRatings();
2 myMovies.fr.loadMovies("data/" + moviefile);
```
- ☒

```
1 FirstRatings fr = new FirstRatings();
2 myMovies = fr.loadMovies("data/" + moviefile);
```
- ☐

```
1 myMovies.loadMovies("data/" + moviefile);
```

2. In the **printAverageRatings** method in the `MovieRunnerAverage` class, which one of the following would be the way to print the number of movies read in and the number of raters read in?

1 point

- ☒

```
1 // assume moviefile and ratingsfile have been defined
2 SecondRatings runner = new SecondRatings(moviefile, ratingsfile);
3 System.out.println("read data for " + getRaterSize() + " raters");
4 System.out.println("read data for " + getMovieSize() + " movies");
```
- ☐

```
1 // assume moviefile and ratingsfile have been defined
2 SecondRatings runner = new SecondRatings(moviefile, ratingsfile);
3 // assume myMovies and myRatings are the names of ArrayList of type Movie and ArrayList of type
4 System.out.println("read data for " + myRatings.size() + " raters");
5 System.out.println("read data for " + myMovies.size() + " movies");
```





```

1 // assume moviefile and ratingsfile have been defined
2 SecondRatings runner = new SecondRatings(moviefile,ratingsfile);
3 System.out.println("read data for " + runner.getRaterSize() + " raters");
4 System.out.println("read data for " + runner.getMovieSize() + " movies");

```



```

1 // assume moviefile and ratingsfile have been defined
2 SecondRatings runner = new SecondRatings(moviefile,ratingsfile);
3 // assume myMovies and myRatings are the names of ArrayList of type Movie and ArrayList of type
4 System.out.println("read data for " + runner.myRatings.size() + " raters");
5 System.out.println("read data for " + runner.myMovies.size() + " movies");

```

3. Consider the following movie file (only the first three fields are shown for each movie).

1 point

```

1 id,title,year,country,genre,director,minutes,poster
2 0477348,"No Country for Old Men",2007,...
3 0416960,"The Lizard",2004,...
4 1646980,"The Double",2011,...
5 2042568,"Inside Llewyn Davis",2013,...
6 0756648,"The Fox & the Child",2007,...
7 1790864,"The Maze Runner",2014,...
8 0061512,"Cool Hand Luke",1967,...

```

Consider the following ratings file:

```

2 29,1790864,9,1411064109
3 44,2042568,8,1412200503
4 51,0416960,7,1362891496
5 51,2042568,6,1387605483
6 65,1790864,7,1447728928
7 88,0477348,8,1431897274
8 193,0061512,10,1438363286
9 193,0477348,10,1441399258
10 249,2042568,7,1402519352
11 361,0477348,9,1370396355
12 435,0477348,9,1412881981
13 688,0477348,7,1413702368
14 931,0061512,8,1368120324

```

What is the average rating of the movie "No Country for Old Men"?

8.6

4. Consider the following movie file (only the first three fields are shown for each movie).

1 point

```

1 id,title,year,country,genre,director,minutes,poster
2 0477348,"No Country for Old Men",2007,...
3 0416960,"The Lizard",2004,...
4 1646980,"The Double",2011,...
5 2042568,"Inside Llewyn Davis",2013,...
6 0756648,"The Fox & the Child",2007,...
7 1790864,"The Maze Runner",2014,...
8 0061512,"Cool Hand Luke",1967,...

```

Consider the following ratings file:

```
1 3,1790864,7,1448832437
2 29,1790864,9,1411064109
3 44,2042568,8,1412200503
4 51,0416960,7,1362891496
5 51,2042568,6,1387605483
6 65,1790864,7,1447728928
7 88,0477348,8,1431897274
8 193,0061512,10,1438363286
9 193,0477348,10,1441399258
10 249,2042568,7,1402519352
11 361,0477348,9,1370396355
12 435,0477348,9,1412881981
13 688,0477348,7,1413702368
14 931,0061512,8,1368120324
```

What is the average rating of the movie "Inside Llewyn Davis"?

7.0

5. Using the files **ratedmoviesfull.csv** and **ratings.csv**, what is the rating of the movie "The Maze Runner"?

1 point

(Give your answer to the ten thousandths place, or four decimal places.)

7.1875

6. Using the files **ratedmoviesfull.csv** and **ratings.csv**, what is the rating of the movie "Moneyball"?

1 point

(Give your answer to the ten thousandths place, or four decimal places.)

8.3750

7. Using the files **ratedmoviesfull.csv** and **ratings.csv**, what is the rating of the movie "Vacation"?

1 point

(Give your answer to the ten thousandths place, or four decimal places.)

6.8000

8. Using the files **ratedmoviesfull.csv** and **ratings.csv**, how many movies have 50 or more ratings?

1 point

7

9. Using the files **ratedmoviesfull.csv** and **ratings.csv**, of those movies that have at least 20 ratings, what is the name of the movie that has the lowest rating?

1 point

☐ Riddick

☒ The Dufferin

- ☒ *The Purge*
- ☐ *The Interview*
- ☐ *Elysium*
- ☐ *White House Down*

10. Using the files **ratedmoviesfull.csv** and **ratings.csv**, of those movies that have at least 12 ratings, what is the name of the movie that has the lowest rating?

1 point

- ☐ *The Purge*
- ☒ *Spring Breakers*
- ☐ *The Hangover Part III*
- ☐ *Identity Thief*
- ☐ *Mama*