BONUS (extra features)

```java
//EXTRA FEATURES
public static void print(Map<Integer, Movie> movies) throws IOException
{
    SimpleMovieSearchEngine s = new SimpleMovieSearchEngine();
    Map<Integer, Rating> ratings=null;
    int numRatings = 0;
    //File micro = new File("log-micro.txt");
    File sample = new File("log-sample.txt");
    //FileWriter x = new FileWriter(micro);        //test case for micro
    FileWriter x = new FileWriter(sample);     //test case for sample
    write = new BufferedWriter(x);
    for(int i : movies.keySet())
    {
        ratings = movies.get(i).getRating();
        write.append(movies.get(i).toString());   //append in method toString of movies
        write.newLine();        //new line
        numRatings += ratings.size();
        for(int y: ratings.keySet())
        {
            write.append( "    " + ratings.get(y).toString());     //append in method toString of ratings
            write.newLine();        //new line
        }
    }
    write.append("*********************************");
    write.newLine();
    write.append("Total number of movies: " + movies.size());
    write.newLine();
    write.append("Total number of ratings: " + numRatings);
    write.newLine();
    write.close();
}
}
```

Print method

    *this method it used to print the output from movies and ratings

At first it will find out that in the program is it already this text file name or not if it already have it will

rewrite on that file but if not it will build the new text file in that name to working on. Then it will run

through every movies data to keep the ratings data of each movies and print out in form of toString of

movies one time first and the go to new line and print the same ratings but in form of toString of ratings

and it will do until the last data of movies.

Nattawipa Saetae 6188089 Section1