In this assignment we are supposed to develop a simple Movie Database System similar to IMDB.When we look in general there are two main parts, one of them is film the other is person .I create film and people classes and its subclass according to their relationship.Than I handled most of operation in the main class like creating objects and following the orders .

There are 4 types of film and they have too many same features. So I create a Film class as a superclass of all the film types classes.I decided to make all attributes private to protect its value when the code runs.Also it is proper for inheritence mechanism.Film class has one constructor and get/set methods for all attributes that it has.I used this constructor for all subclasses.For FeatureFilm class I used superclass constructer as I said. FeatureFilm class has some different attributes like budget,writers,rating score and raters.They all private and have get/set methods.There are some different methods like editRatingScore,removeRatingScore.They can be used when a user want to change his/her ratings.If I explain generally they take old rating score and change it the new one or delete it.Also when I want to reach rating score I return it as a string type with comma(if needed) using the string formatting.I designed the other 3 types of films classes like FeatureFilm class.

Person class is superclass of all type of peoples.It has one constructor and get/set methods for all attributes that it has.In user class it has just one array list that stores the films rated by user.Artist class has nothing different than the its superclass like Performer class.There are 3 types of performer:actor,childactor and stunt performer.They have some different features but generally same as their superclasses.

As I said I handled most of operation in main class.Firstly I creat some array lists to store film and person object. I create maps to facilitate geting the name and surname from the ids or getting films rating scores from the ids.Using the readers I reached files and I created objects.I read command file line by line like the other files and at the same time I follow the commands. While following commands sometimes I create some temporary lists or strings to facilitate the operations. Also sometimes I used counter to check whether are there any objects or not in the system.And sometimes I used temporary array lists to sort objects by rating degree. I have done downcasting most of the time when I want to reach subclass methods.These are my references :

- BBM 102 lecture notes and videos.

- Java tutorials:http://docs.oracle.com/javase/tutorial/