**Assignment 7 – ~~Vectors~~ Java!!!**

Submit to MUOnline as a compressed (.zip) file containing your code project.

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| 1. | In Java, write a program that manages a short list of Movies.  Create a class ‘Movie’ that contains 2 string variables, name and star, and a double variable ‘revenue’. They should be private with public get/set functions. It must be in its own file. Add a function ‘Display’ that prints the 3 variables with labels (“Name: Matrix, Starring:...”)  Create a class ‘Program’ to be your main class containing the entry point function ‘main’.  Declare an ArrayList of movies.  Prompt the user to enter information about movies. First ask how many they will enter, then use a loop to let them enter in each movie’s information. Add each movie to the list of movies from the previous step.  Write and test 3 functions: 1 that takes a list of movies and returns the one with the most revenue, 1 that takes a list of movies and returns the total revenue of all of them, and 1 that takes a list of movies and a stars name and returns the first movie in the list starring that person. For the 3rd function to search for a star’s name prompt the user to enter a name to search for. | 20%  10%  30%  40% |