CSC 2310 – Spring 2016
Homework #2
Due 2/11/2016 11:30 pm

Submission Requirements
You must turn work at the SPECIFIED TIME so you can receive credit for Homework! Homework 2 ***must be submitted on brightspace*** *by the due date and time. Late homework will be subject to a penalty, as stated in the course grading policy. No email or hard copies of homework will be accepted.*

You may discuss the assignments with other students in the class, but (as stated in the academic honesty policy) your written answers ***must be your own****, and you must list the names of other students you discussed the assignment with.*

How to Submit

This homework has two parts - one part must be done in myprogramminglab.com *- the other part must be done in Eclipse and your .java and .class files uploaded to brightspace. Please follow the directions carefully for each part.*
This homework is worth 2 individual grades so be prepared to spend some time on it!

Part a - MPL
Do all the questions from section 9.1, 9.2, 9.5. Be sure to submit each of your answers. You get 3 tries, so if your answer is incorrect, you can still try again.
There are 30 questions in these sections so do not wait until the last minute!

Part b - Eclipse/Java
Write classes as described in question 5,6,7 and 8 in the book (page 643, 644). (In case you still don't have access to the book, the scanned version of the questions are posted as well).

After the classes stated in the problem above are written and if the following BuyTicket.java file is executed, you should get following output:

```
public class BuyTicket{
        public static void main(String[] args){

        WalkupTicket wt1=new WalkupTicket(12);
        System.out.println(wt1);

        AdvanceTicket at1=new AdvanceTicket (13,12);
        System.out.println(at1);

        AdvanceTicket at2 = new AdvanceTicket(14,2);
```

```
        System.out.println(at2);

        StudentAdvanceTicket sat1= new StudentAdvanceTicket(15,20);
        System.out.println(sat1);

        StudentAdvanceTicket sat2= new StudentAdvanceTicket(16,4);
        System.out.println(sat2);

        }
}
```

Output:
Number: 12, Price: 50.0
Number: 13, Price: 30.0
Number: 14, Price: 40.0
Number: 15, Price: 15.0 (ID required)
Number: 16, Price: 20.0 (ID required)