Practice Assignment 8

Save all the solutions as per question number. Make a zip folder of all the solutions and upload in Moodle.

1. Consider the function find-intersection(m1,c1,m2,c2) in Intersection.java The program computes the intersection point of two straight lines and displays the result. It reads two integer pairs (m1, c1) and (m2, c2) defining the two straight lines of the form y=mx + c.
Create test cases for this program using equivalent class partitions and execute them. **50 Points**

2. Consider the Quadric_Equation.java file. It determination of the nature of roots of a quadratic equation. Its input are positive integers (say a,b,c) and values may be from interval [0,200]. The program output may have one of the following words.

- Not a quadratic equation
- Real roots
- Imaginary roots
- Equal roots.

Test the calculateroot() using Equivalence Class Partition and Boundary Value Analysis. **50 Points**