**Ex. No. 2:** **DATA TYPES AND CONTROL STRUCTURES**

**(30/1/2017-3/2/2017)**

**Note: Part I and Part 2 should be recorded in your observation as directed by your mentor**

**Part-I (Who should do Part-I?)**

***Anyone who wants to clear java, hope everyone wants to…….***

1. Write a Java program to find the roots of quadratic equation. [eg: ax^2+bx+c, read integer values for a, b, c from user. Calculate int d= b^2-4ac. Use type casting for finding the roots.
2. Write a menu driven Java program with following option   
   a. Accept elements of an array   
   b. Display elements of an array   
   c. Search the element within array given by user  
   d. Sort the array using bubble sort method   
   Write methods for all options. The methods should be static and have one parameter name of the array.
3. Write simple programs to demonstrate ***enhanced for*** (for each) statement, ***labeled break*** and ***labeled continue*** statements.