**CS 1301 Principles of Programming I**

**Lab 9**

**What to hand in**

Complete the questions below. Compress the code folder. Submit it to BlazeView.

**Questions**

Write the following method that merges two sorted arrays into a new sorted array

public static int [] merge(int [] array1, int [] array2)

{

// add your code here

}

public static void main(String [] args)

{

int [] array1 = {1, 5, 16, 61, 111};

int [] array 2 = {2, 4, 5, 6}

int [] mergedArray = merge(array1, array2);

System.out.println(Arrays.toString(mergedArray));

}

**Grading Criteria**

1. 10%, present answers.
2. 10%, the programs are able to be compiled in jGRASP.
3. 10%, the programs are able to run.
4. 40%, the programs output the expected results.
5. 30%, Java Doc.