Lab #10

Object-Oriented Programming

1. Bubblesort in Java can be implemented as follows:

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| public class BubbleSortExample {  static void bubbleSort(int[] arr) {  int n = arr.length;  int temp = 0;  for(int i=0; i < n; i++){  for(int j=1; j < (n-i); j++){  if(arr[j-1] > arr[j]){  //swap elements  temp = arr[j-1];  arr[j-1] = arr[j];  arr[j] = temp;  }    }  }    }  public static void main(String[] args) {  int arr[] ={3,60,35,2,45,320,5};    bubbleSort(arr);  //sorting array elements using bubble sort    System.out.println("Array After Sort:");  for(int i=0; i < arr.length; i++){  System.out.print(arr[i] + " ");  }    }  } |

Add some code into the MAIN method, before the call to the bubblesort(arr) to print out the elements before the sort.

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| e-mail me a completed solution to the above program in a Word document, and include Labs #01-09 in this document also.  e-mail to [Damian.X.Gordon@TUDublin.ie](mailto:Damian.X.Gordon@TUDublin.ie) with subject heading “DT249 OOP Lab #01-10” |