**Lab 7**

**Generics in Java**

**Objective**

Implementing generic classes and methods for ensuring compile time type safety of data.

**Code**

package Generics;

public class reverseAG {

public static <E> void printArray(E [] inputArray) {

for(int i= inputArray.length - 1 ; i>=0 ; i--){

System.out.printf(inputArray[i] + " ");

}

}

public static void main(String args[]) {

// TODO Auto-generated method stub

Integer[] intArray = { 1 , 2 , 3 , 4};

Double[] doubleArray = {1.1 , 2.2 , 3.3 , 4.4};

Character[] charArray = {'I', 'A' , 'B' , 'T'};

System.out.println("\tARRAY AFTER REVERSE ORDER");

System.out.println("\t==========================");

System.out.println("1) Array Reverse Order Of IntArray");

printArray(intArray);

System.out.println("\n------------------------------");

System.out.println("2) Array Reverse Order Of DoubleArray");

printArray(doubleArray);

System.out.println("\n------------------------------");

System.out.println("3) Array Reverse Order Of CharArray");

printArray(charArray);

}

}

**Output**

