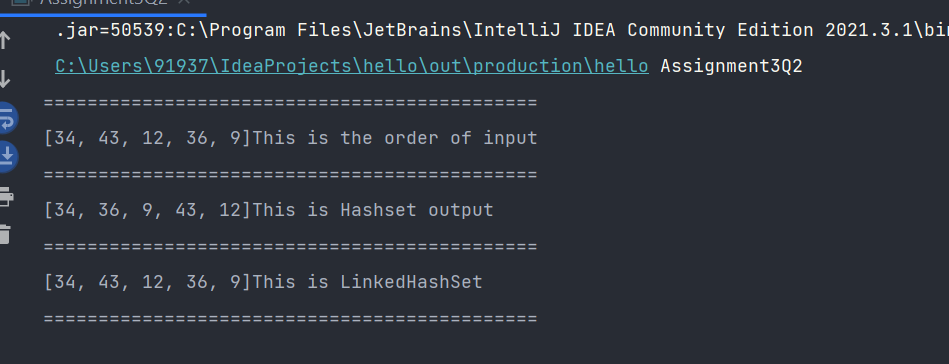
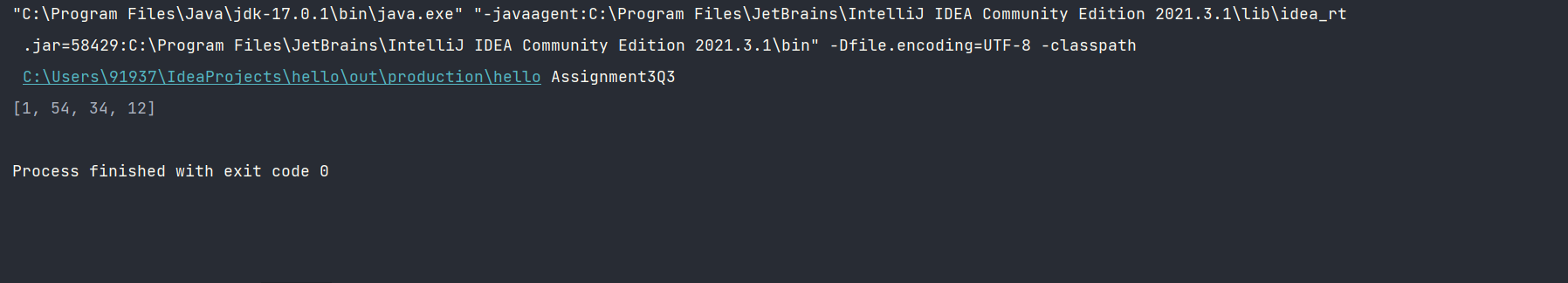
Q1.

Q2. *import* java.util.HashSet;  
*import* java.util.LinkedHashSet;  
*import* java.util.*Set*;  
*import* java.util.TreeSet;  
  
*public class* Assignment3Q2 {  
 *public static void* main(String[] args) {  
 System.out.println("=============================================");  
 System.out.println("[34, 43, 12, 36, 9]This is the order of input");  
 System.out.println("=============================================");  
 *Set*<Integer> set = *new* HashSet<>();  
 set.add(34);  
 set.add(43);  
 set.add(12);  
 set.add(36);  
 set.add(9);  
  
 System.out.println(set+"This is Hashset output");  
 System.out.println("=============================================");  
  
 *Set*<Integer> set1 = *new* LinkedHashSet<>();  
 set1.add(34);  
 set1.add(43);  
 set1.add(12);  
 set1.add(36);  
 set1.add(9);  
 System.out.println(set1+"This is LinkedHashSet");  
 System.out.println("=============================================");  
  
  
 }  
 }



Q3.

*import* java.util.ArrayList;  
  
*public class* Assignment3Q3 {  
 *public static void* main(String[] args) {  
 ArrayList<Integer> list = *new* ArrayList<>();  
 list.add(12);  
 list.add(34);  
 list.add(54);  
 list.add(1);  
 ArrayList<Integer> list1 = *traverseReverse*(list);  
 System.out.println(list1);  
 }  
 *public static* ArrayList<Integer> traverseReverse(ArrayList<Integer> aList){  
 ArrayList<Integer> arrayList = *new* ArrayList<>();  
 *for* (*int* i = aList.size() - 1; i >= 0 ; i--) {  
 arrayList.add(aList.get(i));  
 }  
 *return* arrayList;  
 }  
}



Q4.