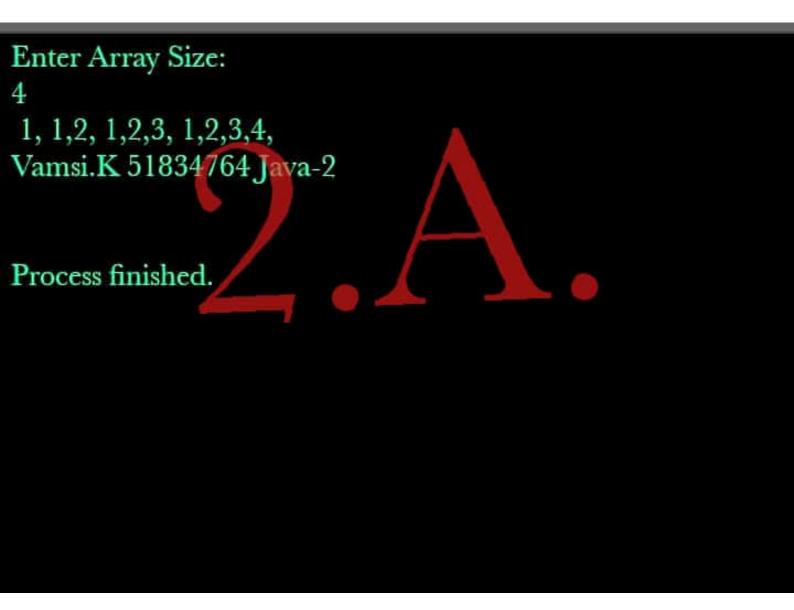
```
mport java.util.Arrays;
   import java.util.List;
   import java.util.PriorityQueue;
   class Main
6
     public static int findKthSmallest(List<Integer> I, int x)
8
9
      PriorityQueue<Integer> pq = new PriorityQueue<>(I);
10
      while (-x > 0) {
11
12
       pq.poll();
13
      }
14
15
      return pq.peek();
16
    }
17
     public static void main(String args)
18
19
20
      List<Integer> I = Arrays.asList(1, 10, 5, 2, 17, 11);
21
      int \mathbf{x} = 4;
22
      System.out.println("the 4th smallest element in the array is " +
23
               findKthSmallest(I, x));
24
       System.out.println("Vamsi.K 5182474 Java-2");
25
26 }
```

the 4th smallest element in the array is 10 Vamsi.k 51834764 Java-2



```
import java.util.*;
    class Pattern{
     public static void main(String args[]){
45
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter
6
      int n=sc.nextInt();
      for(int i=1;i\leq n+2;i++){
8
       for(int j=1;j < i;j++){
         System.out.print(j+",");
9
10
11
       System.out.print(" ");
12
13
      System.out.println("\nVamsi.K 51834764 Java-2");
14
      }
15
```



```
import java.util.*;
3
   interface Laptop{
4
    abstract public void price();
ō
    abstract public void company();
    abstract public void ram();
6
   class Your_name implements Laptop{
8
    public void price(){
9
      System.out.println("80000");
10
11
    public void company(){
12
13
      System.out.println("HP");
14
    public void ram(){
15
      System.out.println("8Gb RAM");
16
17
18
    public static void main(String[] args){
19
     Your_name o=new Your_name();
     o.price();
20
21
     o.company();
22
     o.ram();
23
     System.out.println("Vamsi.k 51834764 Java-2");
24
25
```



```
import java.util.*;
   public class Main {
45
   static void reverseWords(String str)
6
     Stack<Character> st=new Stack<Character>();
8
     for (int i = 0; i < str.length(); ++i) {
9
      if (str.charAt(i) != ' ')
10
       st.push(str.charAt(i));
11
12
13
      else -
       while (st.empty() == false) {
14
15
         System.out.print(st.pop());
16
17
       System.out.print(" ");
18
19
20
     while (st.empty() == false) {
21
      System.out.print(st.pop());
22
23
   public static void main(String args)
24
25
26 String str = "Hello World";
27
    reverseWords(str);
    System.out.println("Vamsi.K 51834764 Java-2");
28
29
30 }
```

