

```

1  import java.util.*;
2
3  public class Main {
4
5  static void reverseWords(String str)
6  {
7      System.out.println("Host_name:E.Hanessha\nSA
8      Stack<Character> st=new Stack<Character>();
9
10     for (int i = 0; i < str.length(); ++i) {
11         if (str.charAt(i) != ' ')
12             st.push(str.charAt(i));
13
14         else {
15             while (st.empty() == false) {
16                 System.out.print(st.pop());
17
18             }
19             System.out.print(" ");
20         }
21     }
22
23     while (st.empty() == false) {
24         System.out.print(st.pop());
25
26     }
27 }
28
29 public static void main(String[] args)
30 {
31     String str = "Hello,How are you doing?.Hope al
32     reverseWords(str);
33 }
34 }

```

```
Host_name:E.Hanessha  
SAP ID:51834630  
woH,olleH era uoy epoH.?gniod lla !llew  
Process finished.
```

```
1 import java.util.Arrays;
2 import java.util.List;
3 import java.util.PriorityQueue;
4
5 class Main
6 {
7     public static int findKthSmallest(List<Integer> I,
8     {
9         PriorityQueue<Integer> pq = new PriorityQueue<Integer>();
10
11         while (--x > 0) {
12             pq.poll();
13         }
14
15         return pq.peek();
16     }
17
18     public static void main(String[] args)
19     {
20         List<Integer> I = Arrays.asList(7, 4, 6, 3);
21         int x = 4;
22
23         System.out.println("Host_name:E.Haneesha");
24         System.out.println("the 4th smallest element is:");
25             findKthSmallest(I, x));
26     }
27 }
```

Host_name:E.Haneesha

SAP ID:51834630

the 4th smallest element in the array is 6

Process finished.