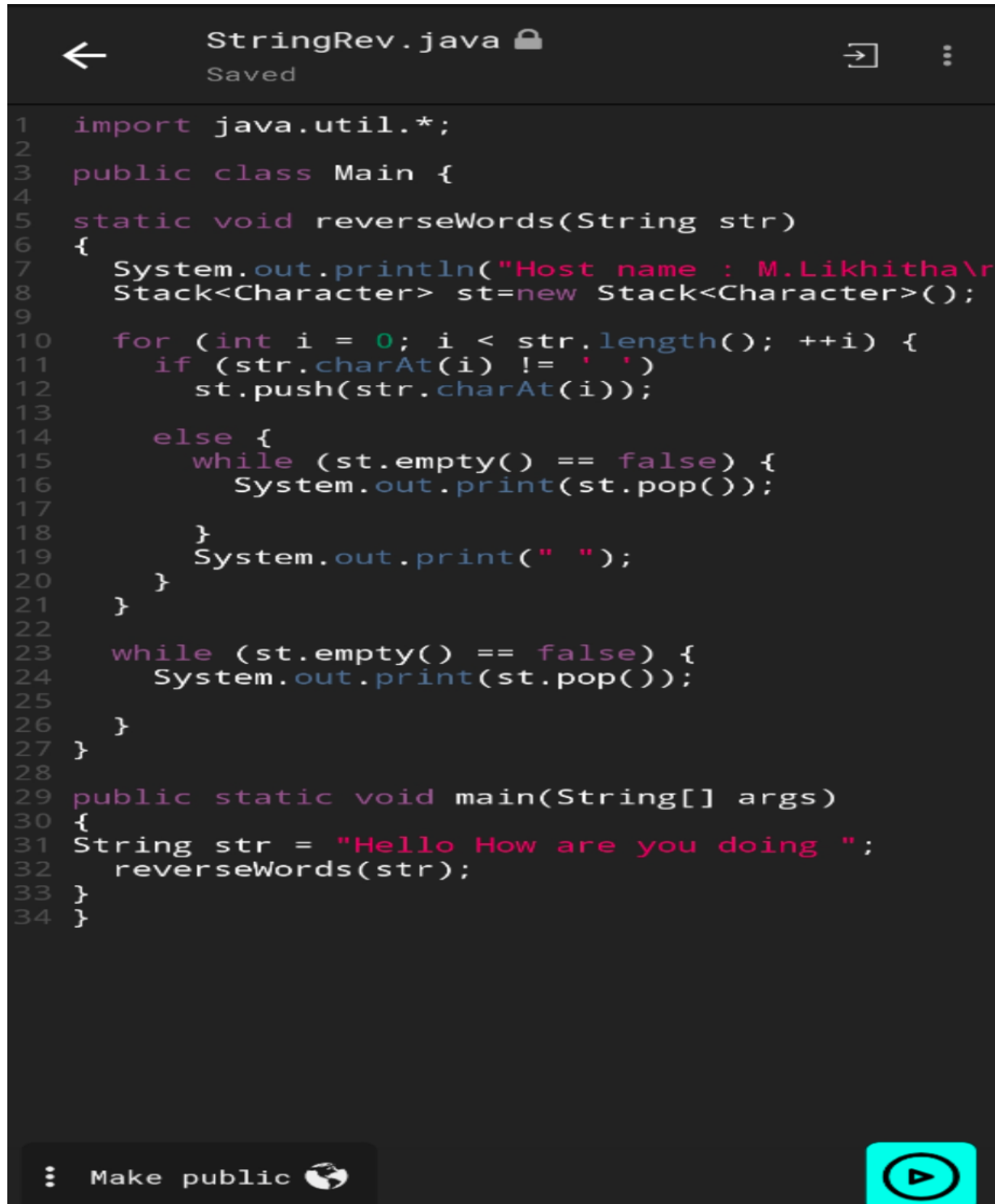


1st Question :



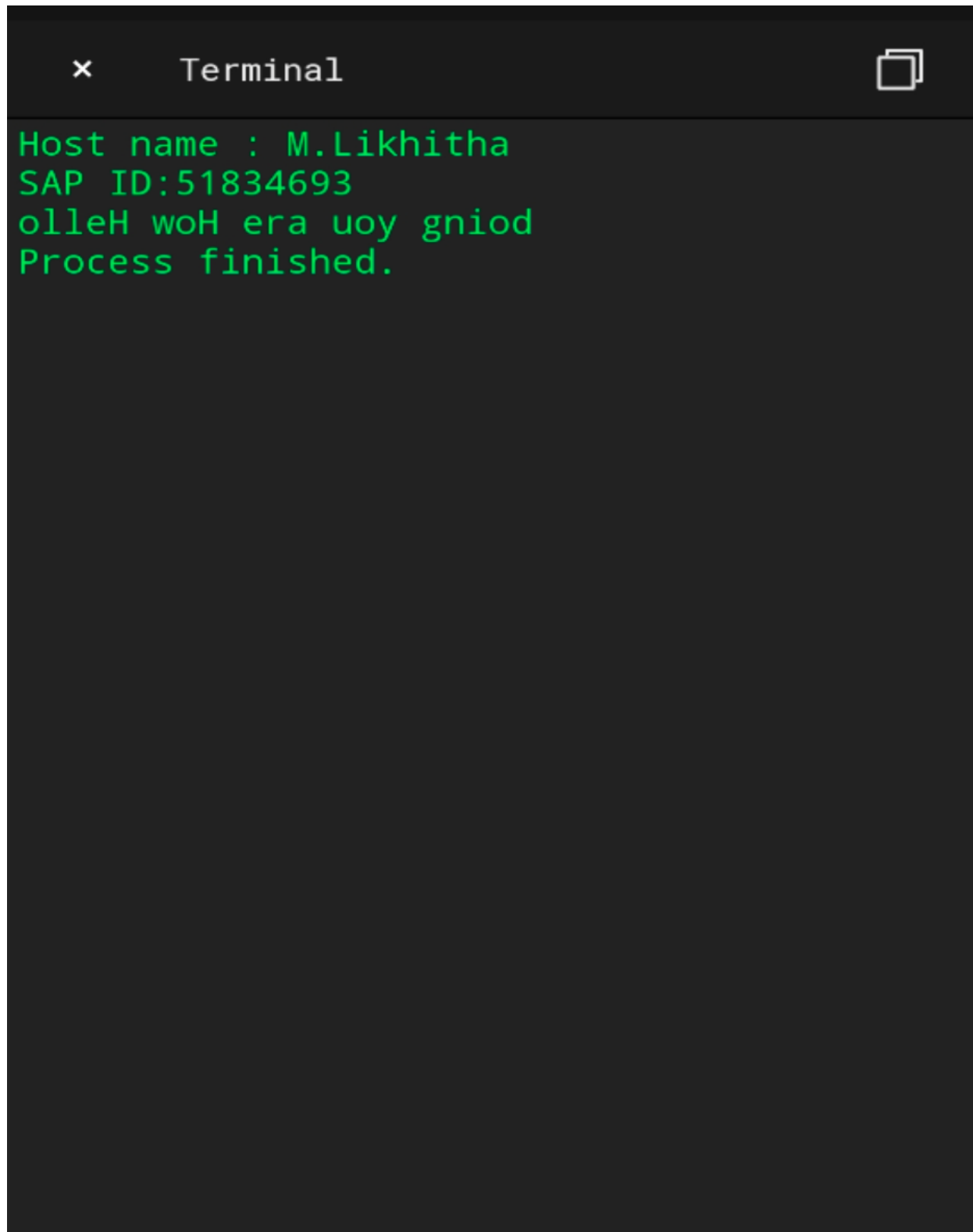
```
StringRev.java
Saved

1  import java.util.*;
2
3  public class Main {
4
5      static void reverseWords(String str)
6      {
7          System.out.println("Host name : M.Likhitha\r
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 ";
32     reverseWords(str);
33 }
34 }
```

Make public



Output Screen :

A screenshot of a terminal window with a dark background. The window has a title bar with a close button (an 'x' icon) and the text 'Terminal'. In the top right corner of the title bar is a window icon. The terminal content is displayed in green text on a dark background. It shows four lines of output: 'Host name : M.Likhitha', 'SAP ID:51834693', 'olleH woH era uoy gniod', and 'Process finished.'.

```
Host name : M.Likhitha
SAP ID:51834693
olleH woH era uoy gniod
Process finished.
```



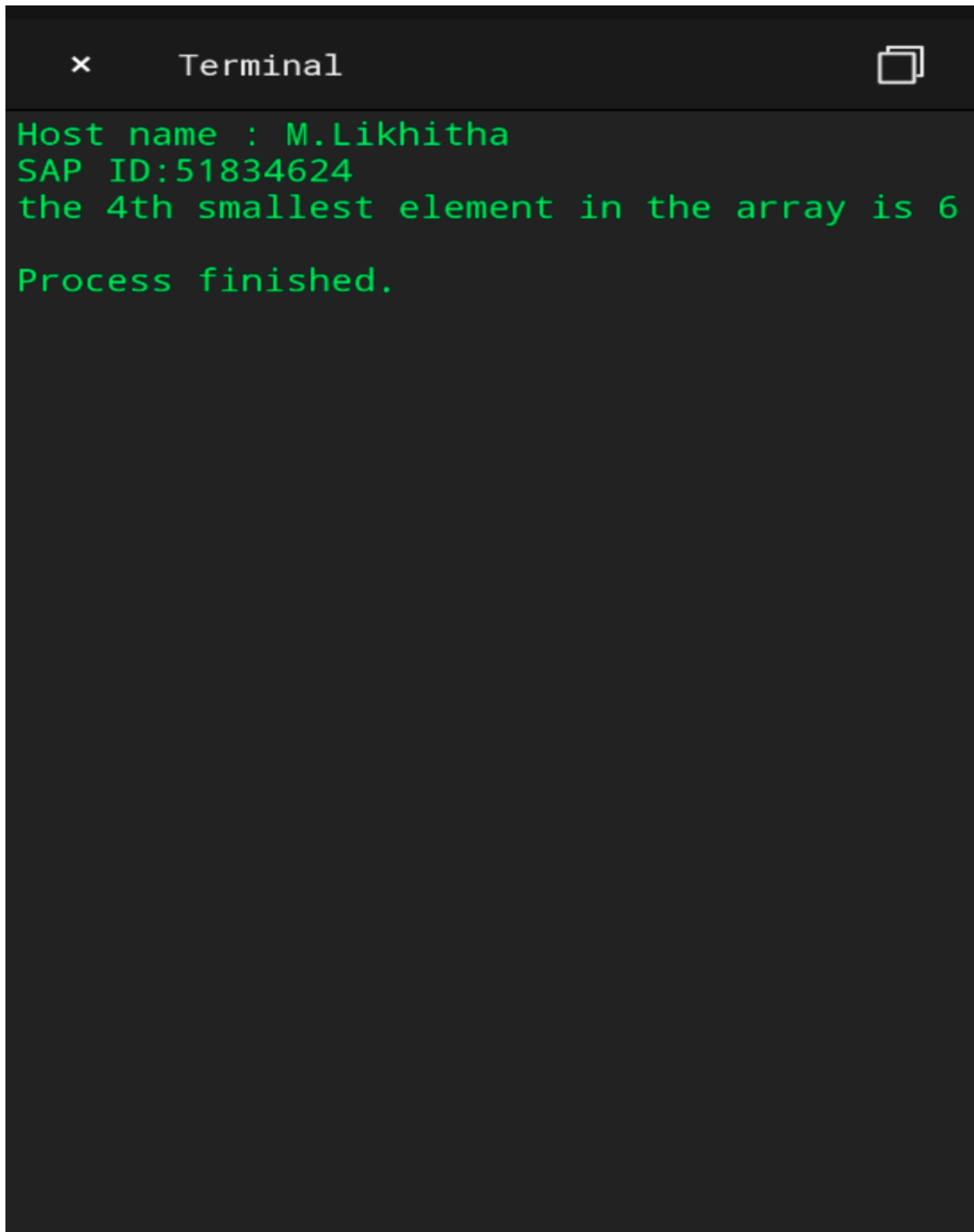
5th Question :

```
← FourthSmallest.java Saved → ⋮

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> list, int k)
8      {
9          PriorityQueue<Integer> pq = new PriorityQueue<>();
10
11         while (--k > 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, 8, 5, 9, 10);
21         int x = 4;
22
23         System.out.println("Host name : M.Likhi");
24         System.out.println("the 4th smallest element is : " +
25                             findKthSmallest(I, x));
26     }
27 }
```



Output Screen :

A screenshot of a terminal window with a dark background. The title bar at the top shows a close button (x) and the word "Terminal", followed by a maximize button icon. The terminal content is displayed in green text and includes the following lines: "Host name : M.Likhitha", "SAP ID:51834624", "the 4th smallest element in the array is 6", and "Process finished.".

```
Host name : M.Likhitha
SAP ID:51834624
the 4th smallest element in the array is 6
Process finished.
```



Marks in mcq test :16/20

Grade : 8/10

