```java
//Question 5
import java.util.*;

public class Main {

static void reverseWords(String str)
{
    System.out.println("Author:P.laasya");
    Stack<Character> st=new Stack<Character>();

    for (int i = 0; i < str.length(); ++i) {
        if (str.charAt(i) != ' ')
            st.push(str.charAt(i));
```



```
== false) {
```

```
15          else {
16              while (st.empty() == false) {
17                  System.out.print(st.pop());
18              }
19              System.out.print(" ");
20          }
21      }
22      while (st.empty() == false) {
23          System.out.print(st.pop());
```

```
    }
}
public static void main(String[] args)
{
String str = "Its nice to have a pet";
    reverseWords(str);
}
}
```

Try Dcoder's keyboard

```
Author:P.laasya
stI ecin ot evah a tep
Process finished.
```

```java
//Question 1
import java.util.Arrays;
import java.util.List;
import java.util.PriorityQueue;

class Main
{
    public static int findKthSmallest(List<Integer> I, int x)
    {
        PriorityQueue<Integer> pq = new PriorityQueue<>(I);

        while (--x > 0) {
            pq.poll();
        }

        return pq.peek();
```

File info ⓘ

```
        return pq.peek();
    }

    public static void main(String[] args)
    {
        List<Integer> I = Arrays.asList(3,5,2,7,9,4);
        int x = 2;

        System.out.println("P.laasya");
        System.out.println("the 4th smallest element in the array is " +
                                findKthSmallest(I, x));
    }
}
```

File info ⓘ

```
P.laasya
the 4th smallest element in the array is 3

Process finished.
```