

Palindrome String

Question

You have been given a String . You need to find and print whether this string is a palindrome or not. If yes, print YES, else print NO.

Sample Input: aba

Sample Output: YES

Program

```
Main.scala x
1  import scala.io.StdIn.readLine
   new *
2  class StringPalindrome{
3      //To check the string is palindrome or not and return the value
   new *
4      def isPalindrome(inputString:String): Boolean= {
5          var lastIndex= inputString.length - 1
6          for (index <- 0 to inputString.length - 1) {
7              if (inputString.charAt(index) != inputString.charAt(lastIndex)) {
8                  return false
9              }
10             lastIndex-=1
11         }
12         return true
13     }
14
15     //Method to print the string is palindrome or not
   new *
16     def printResult(result: Boolean): Unit = {
17         if (result==false)
18             print("No, It is not Palindrome")
19         else
20             print("Yes, It is Palindrome")
21     }
22 }
```

Program

```
23 //singleton object
24 new *
24 ▶ object Palindrome extends App{
25     val obj=new StringPalindrome
26     try{
27         val inputString=readLine("Enter the String :")
28         val result = obj.isPalindrome(inputString)
29         obj.printResult(result)
30     }
31     catch{
32         case input: StringIndexOutOfBoundsException =>{
33             print("String Overflow")
34         }
35     }
36 }
```

Output

```
Run: Palindrome x
/usr/lib/jvm/java-1.8.0-openjdk-amd64/bin/java ...
Enter the String :aba
Yes, It is Palindrome
Process finished with exit code 0
```

THANK YOU