Palindrome String

Question

1. You have been given an array consisting of positive integers. You need to find and print the product of all the number in the array.

Sample Input: A = [1 2 3 4 5]
Sample Output: 120

Program


```scala
import scala.io.StdIn.readLine
new *
class StringPalindrome{
    //To check the string is palindrome or not and return the value
    new *
    def isPalindrome(inputString:String): Boolean= {
        var lastIndex= inputString.length - 1
        for (index <- 0 ≤ to ≤ inputString.length - 1) {
            if (inputString.charAt(index) != inputString.charAt(lastIndex)) {
                return false
            }
            lastIndex-=1
        }
        return true
    }

    //Method to print the string is palindrome or not
    new *
    def printResult(result: Boolean): Unit = {
        if (result==false)
            print("No, It is not Palindrome")
        else
            print("Yes, It is Palindrome")
    }
}
```

Program

```scala
23      //singleton object
        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      }
```

THANK YOU