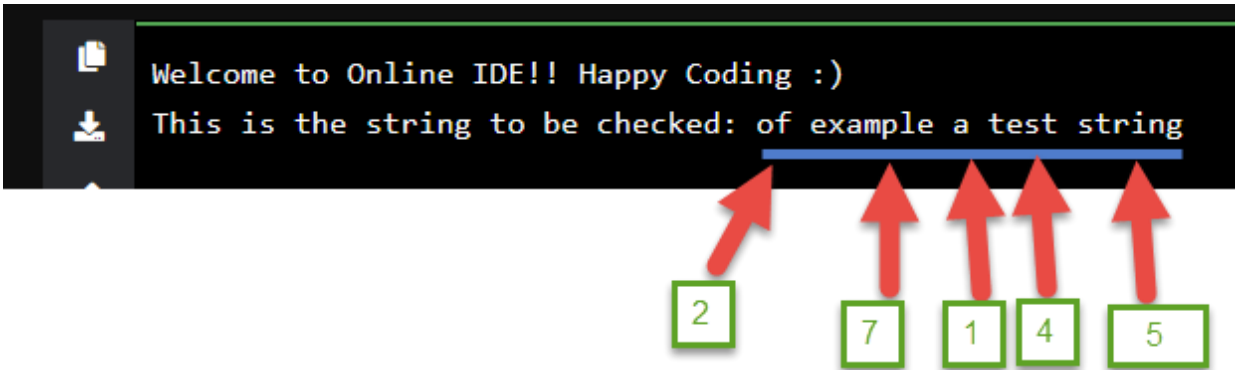
********** OUTPUT **********




```
This is the string: of  ******* a test ******
```

I used several onscreen outputs to ensure the coding was on track since it was very technical for my currently improving level of coding:

```
Processing word: of
2
length token should be less than or equal to 4: 2
This is the token less than or equal to 4 chars: of
This is the current string: of
```

```
Processing word: example
length token shuld be greater than 4: 7
This is the token greater than 4: example
This is the number of *:  *******
This is the current stringbuilder with ****:   *******
This is the current stringbuilder with **** REMOVED:
This is the current string: of  *******
```

```
Processing word: a
1
length token should be less than or equal to 4: 1
This is the token less than or equal to 4 chars: a
This is the current string: of  ******* a
```

```
Processing word: test
4
length token should be less than or equal to 4: 4
This is the token less than or equal to 4 chars: test
This is the current string: of  ******* a test
```

```
Processing word: string
length token shuld be greater than 4: 6
This is the token greater than 4: string
This is the number of *: ******
This is the current stringbuilder with ****:  ******
This is the current stringbuilder with **** REMOVED:
This is the current string: of  ******* a test ******
```

THIS IS NOW AN EXAMPLE WHERE ENTIRE STRING CONSISTS OF WORDS 4 OR LESS CHARACTERS

```
Welcome to Online IDE!! Happy Coding :)
This is the string to be checked: all are four or less in this
```


```
This is the string: all are four or less in this all are four or less in this
```

*** CODE ***

```
/*
Online Java - IDE, Code Editor, Compiler

Online Java is a quick and easy tool that helps you to build, compile, test your programs online.
*/

import java.util.*;

public class Main
{
```

```
   public static void main(String[] args) {
      System.out.println("Welcome to Online IDE!! Happy Coding :)");
      String test="all are four or less in this";

      System.out.println("This is the string to be checked: " + test + "\n");

      censor cs = new censor ();
      System.out.println("This is the string: " + cs.censor(test));

   }
}

class censor
{
   private String test;
   StringBuffer sb=new StringBuffer(" ");
   int numberChars;
   StringJoiner sj = new StringJoiner(" ");
   boolean wordLengthGreaterFour=false;
   String converted;

   public String censor (String test)
   {

   this.test=test;
   String temp;


   StringTokenizer st = new StringTokenizer(test);

      while (st.hasMoreTokens())   //looks for more words
      {
         temp=st.nextToken();
         System.out.println("Processing word: " + temp);


         if (temp.length()<=4)   //length is equal or less than 4
         {
            // this will add the convertedtoken using stringjoiner which has a delimiter of blank
space

            numberChars=temp.length();
            System.out.println(numberChars);
            System.out.println("length token should be less than or equal to 4: " +
numberChars);

            converted = temp.toString();
            System.out.println("This is the token less than or equal to 4 chars: " + converted);
            sj.add(converted);
            System.out.println("This is the current string: " + sj.toString());
            System.out.println("\n");

         }
```

```
        else
        {
           numberChars=temp.length();
           System.out.println("length token shuld be greater than 4: " + numberChars);

           converted = temp.toString();
           System.out.println("This is the token greater than 4: " + converted);

           wordLengthGreaterFour=true;

            for (int j=0; j<numberChars; j++)
            {

               sb.append("*");
           }

           System.out.println("This is the number of *: " + sb);

           sj.add(sb);  //this will add the stringbuffer string as a string into stringjoiner

           System.out.println("This is the current stringbuilder with ****:  "  +  sb);
           sb.replace(0,sb.length(), "");   // this will now clear contents of the stringbuffer

           System.out.println("This is the current stringbuilder with **** REMOVED:  "  +  sb);

           System.out.println("This is the current string: " + sj.toString());

           System.out.println("\n");

        }

     }

     if (!wordLengthGreaterFour)   // this is if none of the words are greater than 4 characters
     {
        sj.add(test);
        return sj.toString();
     }
     return sj.toString();

}
}
```