

```

1
2 public class LoopsAndStrings {
3
4 public static void main(String[] args) {
5
6     String word = "This is an example.";
7
8     //length of a String
9     System.out.println(word.length()); // prints the length of a String
10
11    //single character
12    System.out.println(word.charAt(0)); // prints the first character from our String
13
14    /*
15     * Indexing in Java
16     *
17     * Start counting from 0
18     * The first character is at the 0 index
19     * The last character is at the length -1 index.
20     */
21
22    //iterates through the String
23    //prints every character on its own line.
24    for(int i = 0; i < word.length(); i++) {
25        System.out.println(word.charAt(i));
26    }
27
28    // System.out.println(word.charAt(word.length())); throws an error because it is looking at an index that does not exist
29
30    for(int i = 0; i < word.length(); i+=2) {
31        word = word.substring(0, i) + " " + word.substring(i, word.length());
32    }
33
34    System.out.println(word);
35
36
37    String wordTwo = "Word";
38
39    //substring returns a part of a string
40
41    System.out.println(wordTwo.substring(0,1)); // prints the w
42    System.out.println(wordTwo.substring(0,2)); // prints the wo
43    System.out.println(wordTwo.substring(0,3)); // prints the wor
44    System.out.println(wordTwo.substring(0,wordTwo.length())); // prints the entire String
45    //substring (start character, end character(Not included))
46
47    for(int i = 0; i == wordTwo.length();i++) {
48        System.out.println(wordTwo.substring(0,i));
49    }
50 }
51
52 }
53

```