**package** AllDemos;

**import** org.apache.poi.hslf.record.Sound;

**public** **class** StringManipulation {

**public** **static** **void** main(String[] args) {

//index starts from 0 and string is a collection of character written in double quotes.

String str="The rains have started here, subash";

//code to get the length of string

System.***out***.println(str.length());

//to find the character at 5th location

System.***out***.println(str.charAt(5));

//to find th index of a specific character

System.***out***.println(str.indexOf('s'));

//now i want to get the index of 2nd s in teh string starting from index position of first s

System.***out***.println(str.indexOf('s', 8));

//finding the 2nd occurence of s in teh string

System.***out***.println(str.indexOf('s',str.indexOf('s')+1));

//finding the 3rd occurence of s in teh string

System.***out***.println(str.indexOf('s',str.indexOf('s')+1));

}

**Java: Finding the Nth occurrence of a substring in a String**

public static int ordinalIndexOf([String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str, [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) substr, int n) {

int pos = -1;

do {

pos = str.[indexOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#indexOf-java.lang.String-int-)(substr, pos + 1);

} while (n-- > 0 && pos != -1);

return pos;

}

ordinalIndexOf(s, ss, 0) is equivalent to s.indexOf(ss)

ordinalIndexOf(s, ss, 1) is equivalent to s.indexOf(ss, s.indexOf(ss) + 1)

and so on...

**Example input / output**

|  |  |  |
| --- | --- | --- |
| **Expression** | **Result** | **Explanation** |
| ordinalIndexOf("abcd abcd", "bc", 0) | 1 | The 0th occurrence is found at index 1 |
| ordinalIndexOf("abcd abcd", "bc", 1) | 6 | The 1st (zero-based) occurrence is found at index 6 |
| ordinalIndexOf("abcd abcd", "bc", 2) | -1 | There's no 2nd (zero-based) occurrence, hence -1 is returned |
| ordinalIndexOf("aaaaa", "aaa", 1) | 1 | Matches may overlap |

**Apache Commons Lang**

See [StringUtils.ordinalIndexOf](https://commons.apache.org/proper/commons-lang/javadocs/api-release/org/apache/commons/lang3/StringUtils.html#ordinalIndexOf%28java.lang.CharSequence,%20java.lang.CharSequence,%20int%29)