

Strings : String s;
// s is initialized

(a) write a statement that will retrieve the number of characters in S

int length = s.length() ;
expression of type int

(b) write an expression that returns the position of the characters "the" in S

use in declaration, cast int s.indexOf("the")

(c) `s = "Now_is_the_time!";`

i) what is returned by
the expression
`s.indexOf("the")`

7

ii) what is returned by
the expression
`s.indexOf("The")`

-1

iii) write a statement to
retrieve the portion of
s after the word "the"

`String s1 = s.Stringsubstring(10);`

`String s1 = s.substring(10);`

javadoc for substring:

String substring(int from)

} type returned by method
} name of method
} type of input

use of method:

s.substring(10)

↑
 object of type String
 because substring is a method of type String

↑
 input must be int
 ① number
 ② variable type int
 ③ expression returning int

Could write:

```
String s1 = s.substring(
    s.indexOf("the") + 3);
```