

JAVA - STRING INDEXOF() METHOD

Description:

This method has following different variants:

- **public int indexOf(int ch):** Returns the index within this string of the first occurrence of the specified character or -1 if the character does not occur.
- **public int indexOf(int ch, int fromIndex):** Returns the index within this string of the first occurrence of the specified character, starting the search at the specified index or -1 if the character does not occur.
- **int indexOf(String str):** Returns the index within this string of the first occurrence of the specified substring. If it does not occur as a substring, -1 is returned.
- **int indexOf(String str, int fromIndex):** Returns the index within this string of the first occurrence of the specified substring, starting at the specified index. If it does not occur, -1 is returned.

Syntax:

Here is the syntax of this method:

```
public int indexOf(int ch )
or
public int indexOf(int ch, int fromIndex)
or
int indexOf(String str)
or
int indexOf(String str, int fromIndex)
```

Parameters:

Here is the detail of parameters:

- **ch** -- a character.
- **fromIndex** -- the index to start the search from.
- **str** -- a string.

Return Value:

- See the description.

Example:

```
import java.io.*;

public class Test {

    public static void main(String args[] ) {
        String Str = new String("Welcome to Tutorialspoint.com");
        String SubStr1 = new String("Tutorials");
        String SubStr2 = new String("Sutorials");

        System.out.print("Found Index :" );
        System.out.println(Str.indexOf( 'o' ));
    }
}
```

```
System.out.print("Found Index :" );  
System.out.println(Str.indexOf( 'o', 5 ));  
System.out.print("Found Index :" );  
System.out.println( Str.indexOf( SubStr1 ));  
System.out.print("Found Index :" );  
System.out.println( Str.indexOf( SubStr1, 15 ));  
System.out.print("Found Index :" );  
System.out.println(Str.indexOf( SubStr2 ));  
    }  
}
```

This produces the following result:

```
Found Index :4  
Found Index :9  
Found Index :11  
Found Index :-1  
Found Index :-1
```