

JAVA.LANG.STRING.CHARAT METHOD

http://www.tutorialspoint.com/java/lang/string_charat.htm

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Description

The **java.lang.String.charAt** method returns the char value at the specified index. An index ranges from 0 to length - 1. The first char value of the sequence is at index 0, the next at index 1, and so on, as for array indexing.

Declaration

Following is the declaration for **java.lang.String.charAt** method

```
public char charAt(int index)
```

Parameters

- **index** -- This is the index of the char value.

Return Value

This method returns the char value at the specified index of this string. The first char value is at index 0.

Exception

- **IndexOutOfBoundsException** -- if the index argument is negative or not less than the length of this string.

Example

The following example shows the usage of java.lang.String.charAt method.

```
package com.tutorialspoint;

import java.lang.*;

public class StringDemo {

    public static void main(String[] args) {

        String str = "This is tutorialspoint";

        // prints character at 1st location
        System.out.println(str.charAt(0));

        // prints character at 5th location i.e white-space character
        System.out.println(str.charAt(4));

        // prints character at 18th location
        System.out.println(str.charAt(17));
    }
}
```

Let us compile and run the above program, this will produce the following result. It will also print white-space character.

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