

Java 'substring' docs

the AP CS test is obsessed with `substring`, so memorize this.

substring

```
public String substring(int beginIndex)
```

Returns a string that is a substring of this string. The substring begins with the character at the specified index and extends to the end of this string.

Examples:

```
"unhappy".substring(2) returns "happy"  
"Harbison".substring(3) returns "bison"  
"emptiness".substring(9) returns "" (an empty string)
```

Parameters:

`beginIndex` - the beginning index, inclusive.

Returns:

the specified substring.

Throws:

[IndexOutOfBoundsException](#) - if `beginIndex` is negative or larger than the length of this `String` object.

• substring

- ```
public String substring(int beginIndex,
 int endIndex)
```

Returns a string that is a substring of this string. The substring begins at the specified `beginIndex` and extends to the character at index `endIndex - 1`. Thus the length of the substring is `endIndex - beginIndex`.

Examples:

```
"hamburger".substring(4, 8) returns "urge"
"smiles".substring(1, 5) returns "mile"
```

**Parameters:**

`beginIndex` - the beginning index, inclusive.

`endIndex` - the ending index, exclusive.

**Returns:**

the specified substring.

**Throws:**

[IndexOutOfBoundsException](#) - if the `beginIndex` is negative, or `endIndex` is larger than the length of this `String` object, or `beginIndex` is larger than `endIndex`.