

# Java Programming Lab Manual

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IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

# **JAVA PROGRAMMING LAB MANUAL**

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**Editors**

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## Chapter 19

### Methods in String Class

Waseem Javaid Soomro, Zeeshan Bhatti, Asadullah Shah

#### Abstract

As string data type internally behaves like an object, therefore all the principles of an object may also apply on string literals. That is simple the use of methods with the string variable. In this chapter some of the methods used with strings are discussed.

#### 19.1 The substring() Method

The substring() method in String class is a very common and important method. The substring() method returns a new string that is a substring of this string. Simply stated as – a substring() returns a part or selected characters ( sub string) from within a given string of words.

- substring is overloaded: there are two versions.
- The length of the substring is  $k - i$ .

```
String s= "strawberry";
```

```
String s2 = s.substring (i, k);
```

- The above code returns the substring of chars in positions from  $i$  to  $k-1$

```
String s2 = s.substring (i);
```

This code returns the substring from the  $i$ -th char to the end.

- `str.substring (i)` is the same as `str.substring(i, str.length())`.

Some more examples: