**Java – String replace(), replaceFirst() and replaceAll() method**

[**STRING HANDLING**](http://beginnersbook.com/category/string-handling/)

In this tutorial we will discuss replace(), replaceFirst()andreplaceAll() methods. All of these methods are mainly used for replacing a part of String with another String.  
String replace(char oldChar, char newChar): It replaces all the oldChar characters with newChar characters. For e.g. "pog pance".replace('p', 'd') would return dog dance.  
String replaceFirst(String regex, String replacement): It replaces the first substring that fits the specified [**regular expression**](http://docs.oracle.com/javase/7/docs/api/java/util/regex/Pattern.html#sum) with the replacement String. [**PatternSyntaxException**](http://docs.oracle.com/javase/7/docs/api/java/util/regex/PatternSyntaxException.html) if the specified regular expression(regex) is not valid.  
String replaceAll(String regex, String replacement): It replaces all the substrings that fits the given regular expression with the replacement String.

**Example 1:replace() Method**

public class Example1{

public static void main(String args[]){

String str = new String("Site is BeginnersBook.com");

System.out.print("String after replacing all 'o' with 'p' :" );

System.out.println(str.replace('o', 'p'));

System.out.print("String after replacing all 'i' with 'K' :" );

System.out.println(str.replace('i', 'K'));

}

}

Output:

String after replacing all 'o' with 'p' :Site is BeginnersBppk.cpm

String after replacing all 'i' with 'K' :SKte Ks BegKnnersBook.com

**Example 2:replaceFirst() Method**

public class Example2{

public static void main(String args[]){

String str = new String("Site is BeginnersBook.com");

System.out.print("String after replacing com with net :" );

System.out.println(str.replaceFirst("com", "net"));

System.out.print("String after replacing Site name:" );

System.out.println(str.replaceFirst("Beginners(.\*)", "XYZ.com"));

}

}

Output:

String after replacing com with net :Site is BeginnersBook.net

String after replacing Site name:Site is XYZ.com

**Example 3:replaceAll() Method**

public class Example3{

public static void main(String args[]){

String str = new String("My .com site is BeginnersBook.com");

System.out.print("String after replacing all com with net :" );

System.out.println(str.replaceAll("com", "net"));

}

}

Output:

String after replacing all com with net :My .net site is BeginnersBook.net