**JAVA Exercises**

# CHAPTER - Java Environment - Programming Examples

1. How to compile a java file? -

**c:\jdk\demoapp> javac First.java**

**CHAPTER – STRINGS**

1. How to compare two strings ?

### Solution

Following example compares two strings by using str compareTo (string), str compareToIgnoreCase(String) and str compareTo(object string) of string class and returns the ascii difference of first odd characters of compared strings.

public class StringCompareEmp{

public static void main(String args[]){

String str = "Hello World";

String anotherString = "hello world";

Object objStr = str;

System.out.println( str.compareTo(anotherString) );

System.out.println( str.compareToIgnoreCase(anotherString) );

System.out.println( str.compareTo(objStr.toString()));

}

}

### Result

The above code sample will produce the following result.

-32

0

0

## String compare by equals()

This method compares this string to the specified object. The result is true if and only if the argument is not null and is a String object that represents the same sequence of characters as this object.

public class StringCompareequl{

public static void main(String []args){

String s1 = "tutorialspoint";

String s2 = "tutorialspoint";

String s3 = new String ("Tutorials Point");

System.out.println(s1.equals(s2));

System.out.println(s2.equals(s3));

}

}

The above code sample will produce the following result.

true

false

## String compare by == operator

public class StringCompareequl{

public static void main(String []args){

String s1 = "tutorialspoint";

String s2 = "tutorialspoint";

String s3 = new String ("Tutorials Point");

System.out.println(s1 == s2);

System.out.println(s2 == s3);

}

}

The above code sample will produce the following result.

true

false

1. How to search the last position of a substring ?

## Solution

This example shows how to determine the last position of a substring inside a string with the help of strOrig.lastIndexOf(Stringname) method.

public class SearchlastString {

public static void main(String[] args) {

String strOrig = "Hello world ,Hello Reader";

int lastIndex = strOrig.lastIndexOf("Hello");

if(lastIndex == - 1){

System.out.println("Hello not found");

} else {

System.out.println("Last occurrence of Hello is at index "+ lastIndex);

}

}

}

## Result

The above code sample will produce the following result.

Last occurrence of Hello is at index 13

## Example

This another example shows how to determine the last position of a substring inside a string with the help of strOrig.lastIndexOf(Stringname) method.

public class HelloWorld{

public static void main(String []args) {

String t1 = "Tutorialspoint";

int index = t1.lastIndexOf("p");

System.out.println(index);

}

}

The above code sample will produce the following result.

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