

```
SortAndSearch.java | StreamTester.java | StringExample.java x
1 package dj;
2 public class StringExample {
3
4     public static void main(String[] args) {
5         // 1. Three Different Ways to Declare and Instantiate a String Object "myString" Containing "abc"
6
7         // Method 1: Using String literal
8         String myString1 = "abc";
9
10        // Method 2: Using the new keyword
11        String myString2 = new String("abc");
12
13        // Method 3: Using a character array
14        char[] charArray = {'a', 'b', 'c'};
15        String myString3 = new String(charArray);
16
17        System.out.println("myString1: " + myString1);
18        System.out.println("myString2: " + myString2);
19        System.out.println("myString3: " + myString3);
20
21        // 2. Given the Three String Objects Below, Determine the Return Values for Each Expression
22
23        String s1 = "ABC";
24        String s2 = new String("DEF");
25        String s3 = "AB" + "C";
26
27        // a. s1.compareTo(s2);
28        int compareResult1 = s1.compareTo(s2);
```

```
Console x
[terminated] StringExample [Java Application] C:\Users\MAITHREYEE\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.2.v20240802-1626\jre\bin\javaw.exe (23 Aug 2024, 12:26:55 pm - 12:26:55 pm) [pid: 25824]
myString1: abc
myString2: abc
myString3: abc
s1.compareTo(s2): -3
s2.equals(s3): false
s3 == s1: true
s2.compareTo(s3): 3
s3.equals(s1): true
Concatenated String: HelloWorld
```