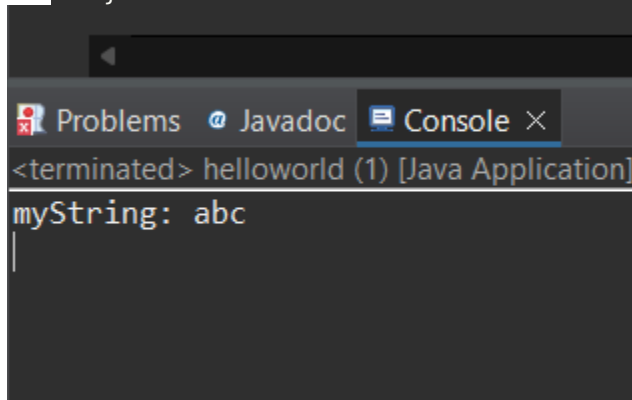


#### Java 4\_4

1. Write three different ways to declare and instantiate a String object called "myString" and containing "abc"

```
2. package helloworld;
3.
4. public class helloworld {
5.     public static void main(String[] args) {
6.         String myString = "abc";
7.         System.out.println("myString: " + myString);
8.     }
9. }
```



2. Given the three String objects below, what will each of the following return? String s1 = "ABC"; String s2 = new String("DEF"); String s3 = "AB" + "C"; a. s1.compareTo(s2); b. s2.equals(s3); c. s3 == s1; d. s2.compareTo(s3); e. s3.equals(s1);

```
package helloworld;
```

```
public class helloworld {
```

```
    public static void main(String[] args) {
```

```
        String s1 = "ABC";
```

```
        String s2 = new String("DEF");
```

```
        String s3 = "AB" + "C";
```

```
        System.out.println("s1.compareTo(s2): " + s1.compareTo(s2)); // Output: -3
```

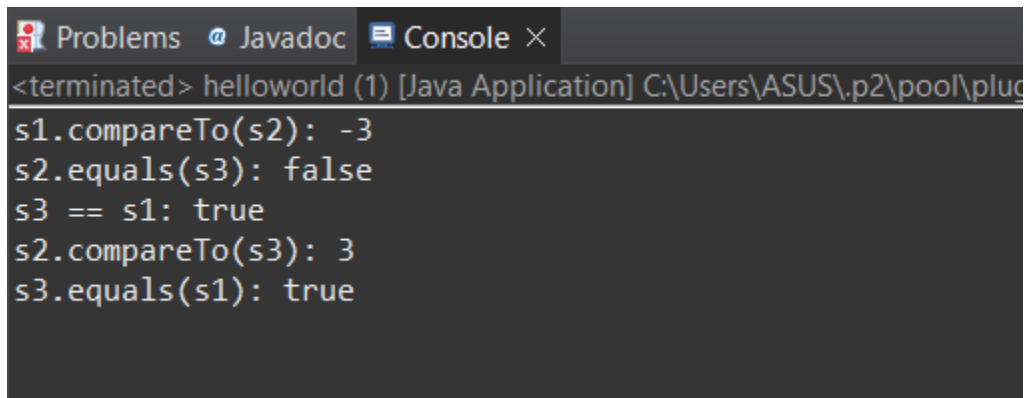
```
        System.out.println("s2.equals(s3): " + s2.equals(s3)); // Output: false
```

```
        System.out.println("s3 == s1: " + (s3 == s1)); // Output: true
```

```
        System.out.println("s2.compareTo(s3): " + s2.compareTo(s3)); // Output: 3
```

```
        System.out.println("s3.equals(s1): " + s3.equals(s1)); // Output: true
```

```
}  
}
```

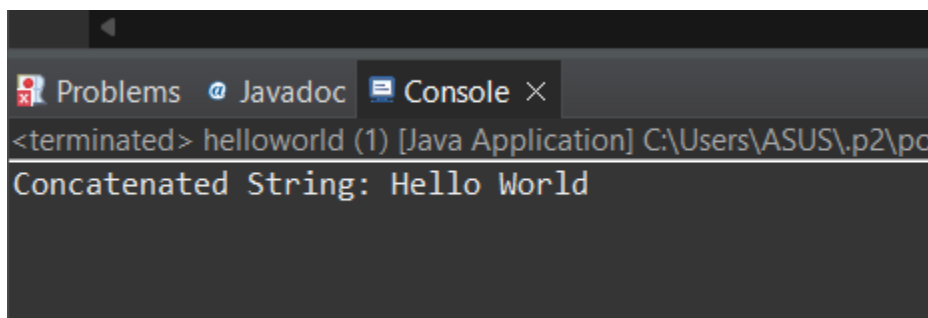


```
<terminated> helloworld (1) [Java Application] C:\Users\ASUS\p2\pool\plug...  
s1.compareTo(s2): -3  
s2.equals(s3): false  
s3 == s1: true  
s2.compareTo(s3): 3  
s3.equals(s1): true
```

3. Declare and instantiate two separate String objects, and then concatenate them together and assign them to a third arbitrary String object.

```
package helloworld;
```

```
public class helloworld {  
    public static void main(String[] args) {  
        String str1 = "Hello";  
        String str2 = "World";  
        String concatenatedString = str1 + " " + str2;  
  
        System.out.println("Concatenated String: " + concatenatedString);  
    }  
}
```



```
<terminated> helloworld (1) [Java Application] C:\Users\ASUS\p2\po...  
Concatenated String: Hello World
```