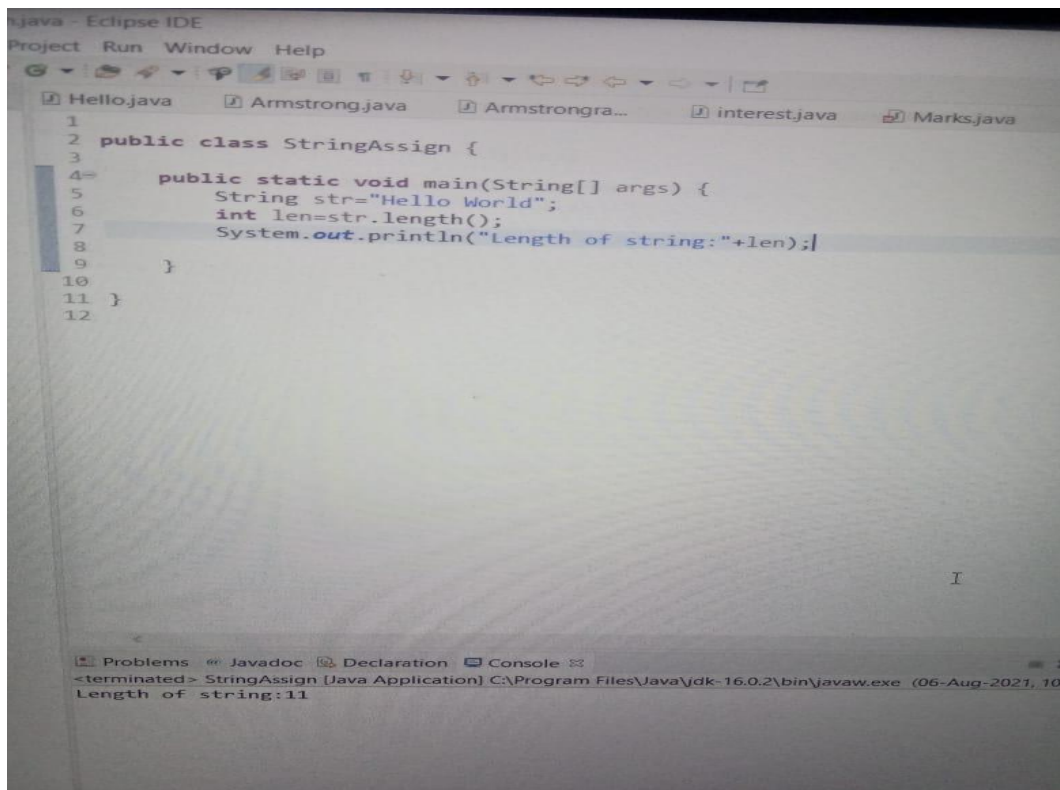


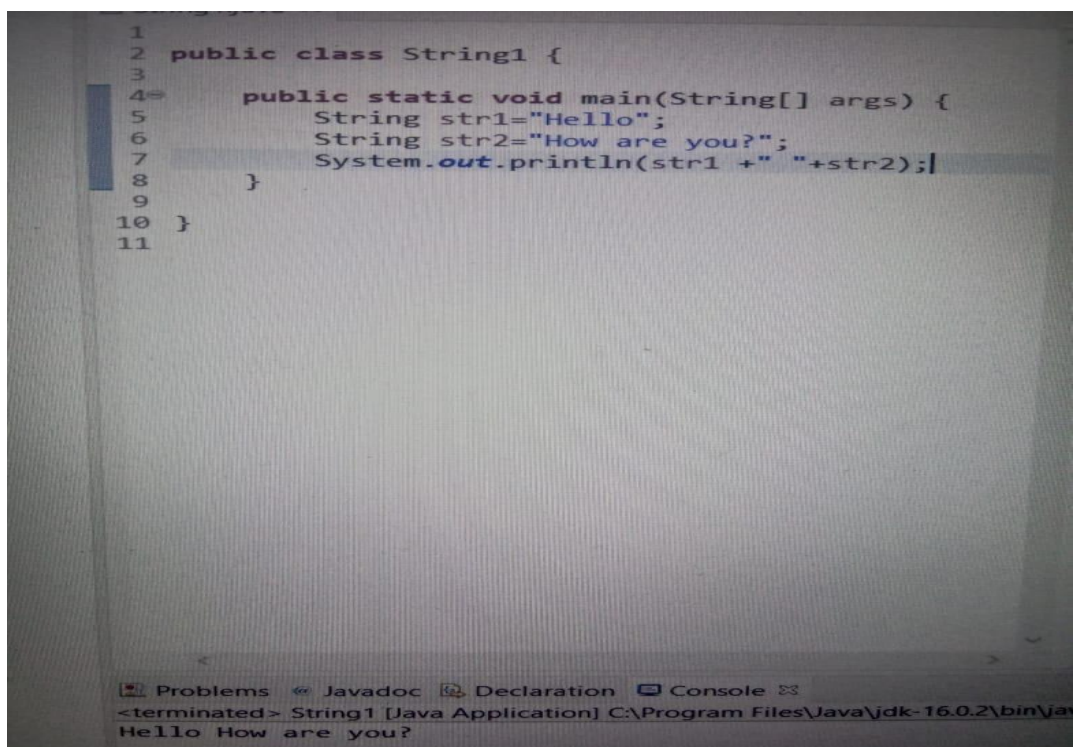
## Assignments on String Class:



```
1 public class StringAssign {
2
3     public static void main(String[] args) {
4         String str="Hello World";
5         int len=str.length();
6         System.out.println("Length of string:"+len);
7     }
8 }
9
10
11
12
```

Problems Javadoc Declaration Console

<terminated> StringAssign (Java Application) C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 10: Length of string:11



```
1 public class String1 {
2
3     public static void main(String[] args) {
4         String str1="Hello";
5         String str2="How are you?";
6         System.out.println(str1 + " " + str2);
7     }
8 }
9
10
11
```

Problems Javadoc Declaration Console

<terminated> String1 (Java Application) C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 10: Hello How are you?

The screenshot shows the Eclipse IDE with a Java project. The editor displays the following code in `String2.java`:

```
1 public class String2 {  
2  
3  
4     public static void main(String[] args) {  
5         String str="Java String pool refers to collection of Strings which are stored in heap memory";  
6         String strlower=str.toLowerCase();  
7         System.out.println(strlower);  
8         String strupper=str.toUpperCase();  
9         System.out.println(strupper);  
10        String sreplace=str.replace('a', '%');  
11        System.out.println(sreplace);  
12        if(str.contains("collection")) {  
13            System.out.println("collection is in the string");  
14        }  
15  
16        String string1= new String("java string pool refers to collection of strings which are stored in heap  
17        if(strlower.equals(string1)) {  
18            System.out.println("both the string are equal");  
19        }  
20    }  
21  
22  
23  
24 }  
25  
26 }  
27
```

The console output at the bottom shows the following messages:

```
<terminated> String2 [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 10:55:08 pm - 10:55:09 pm)  
java string pool refers to collection of strings which are stored in heap memory  
JAVA STRING POOL REFERS TO COLLECTION OF STRINGS WHICH ARE STORED IN HEAP MEMORY  
J$%$ String pool refers to collection of Strings which $re stored in he$ap memory  
collection is in the string  
both the string are equal
```

## Assignments on StringBuffer Class:

The screenshot shows the Eclipse IDE with a Java project. The editor displays the following code in `StringBuffer.java`:

```
1  
2 public class StringBuffer {  
3  
4     public static void main(String[] args) {  
5         StringBuffer sb=new StringBuffer("StringBuffer");  
6         sb.append(" is a peer class of String");  
7         sb.append(" that provide much of");  
8         sb.append(" the functionality of strings");  
9         System.out.println(sb);  
10    }  
11  
12 }  
13  
14 }  
15
```

The console output at the bottom shows the following message:

```
<terminated> StringBuffer [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 12:08:25 pm - 12:08:26 pm)  
StringBuffer is a peer class of String that provide much of the functionality of strings
```

The screenshot shows the Eclipse IDE with a Java project. The main editor displays a file named `StringBuffer3.java` with the following code:

```
1 public class StringBuffer3 {
2
3
4     public static void main(String[] args) {
5         StringBuffer sb= new StringBuffer("This method returns the reversed object on which it was called");
6         sb.reverse();
7         System.out.println(sb);
8     }
9
10 }
11
```

The console at the bottom shows the output of the program:

```
<terminated> StringBuffer3 [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 12:28:27 pm - 12:28:28 pm)
dellac saw ti hcihw no tcejbo desrever eht snruter dohtem siht
```

## Assignments on StringBuilder Class:

The screenshot shows the Eclipse IDE with a Java project. The main editor displays a file named `Stringbuffer.java` with the following code:

```
1 public class Stringbuffer {
2
3
4     public static void main(String[] args) {
5         StringBuilder sb=new StringBuilder("StringBuffer");
6         sb.append(" is a peer class of String");
7         sb.append(" that provide much of");
8         sb.append(" the functionality of strings");
9         System.out.println(sb);
10
11
12     }
13
14 }
15
```

The console at the bottom shows the output of the program:

```
<terminated> Stringbuffer [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 4:13:58 pm - 4:13:59 pm)
StringBuffer is a peer class of String that provide much of the functionality of strings
```

