8. Write a program to create strings and display the conversion of string to StringBuffer and StringBuilder.

Source Code:

```java
package FirstPackage;


public class StringDemo {
    public static void main(String[] args) {
        // creating a string
        String str = "Welcome ,Hello, world!";

        // converting the string to a StringBuffer
        StringBuffer stringBuffer = new StringBuffer(str);

        // appending some text to the StringBuffer
        stringBuffer.append(" This is a StringBuffer.");

        // converting the StringBuffer back to a string
        String newStr1 = stringBuffer.toString();

        // converting the string to a StringBuilder
        StringBuilder stringBuilder = new StringBuilder(str);

        // appending some text to the StringBuilder
        stringBuilder.append(" This is a StringBuilder.");

        // converting the StringBuilder back to a string
        String newStr2 = stringBuilder.toString();

        // printing the original string and the new strings
        System.out.println("Original string: " + str);
        System.out.println("String converted to StringBuffer: " + newStr1);
        System.out.println("String converted to StringBuilder: " + newStr2);
    }
}
```
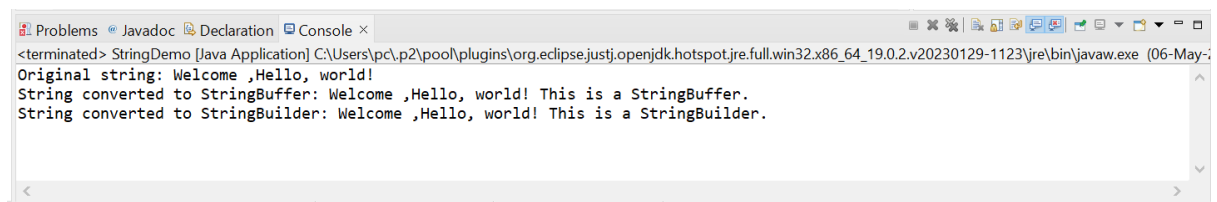
Output:


```
Problems @ Javadoc  Declaration  Console ×
<terminated> StringDemo [Java Application] C:\Users\pc\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe  (06-May-
Original string: Welcome ,Hello, world!
String converted to StringBuffer: Welcome ,Hello, world! This is a StringBuffer.
String converted to StringBuilder: Welcome ,Hello, world! This is a StringBuilder.
```