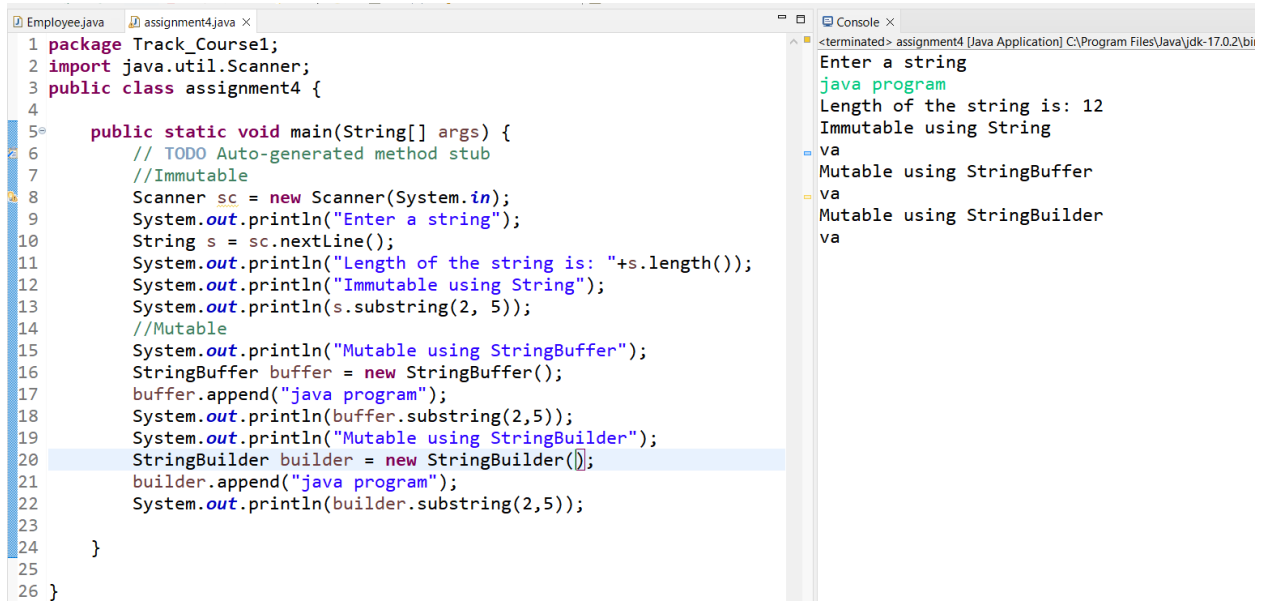


Assignment 4

write a java program create a mutable and immutable string display the length of the string and substring(2,5)

string star=" java program".



The screenshot shows an IDE with two tabs: 'Employee.java' and 'assignment4.java'. The 'assignment4.java' tab is active, displaying the following code:

```
1 package Track_Course1;
2 import java.util.Scanner;
3 public class assignment4 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         //Immutable
8         Scanner sc = new Scanner(System.in);
9         System.out.println("Enter a string");
10        String s = sc.nextLine();
11        System.out.println("Length of the string is: "+s.length());
12        System.out.println("Immutable using String");
13        System.out.println(s.substring(2, 5));
14        //Mutable
15        System.out.println("Mutable using StringBuffer");
16        StringBuffer buffer = new StringBuffer();
17        buffer.append("java program");
18        System.out.println(buffer.substring(2,5));
19        System.out.println("Mutable using StringBuilder");
20        StringBuilder builder = new StringBuilder();
21        builder.append("java program");
22        System.out.println(builder.substring(2,5));
23    }
24 }
25
26 }
```

The console output on the right shows the execution of the program:

```
<terminated> assignment4 [Java Application] C:\Program Files\Java\jdk-17.0.2\bin
Enter a string
java program
Length of the string is: 12
Immutable using String
va
Mutable using StringBuffer
va
Mutable using StringBuilder
va
```