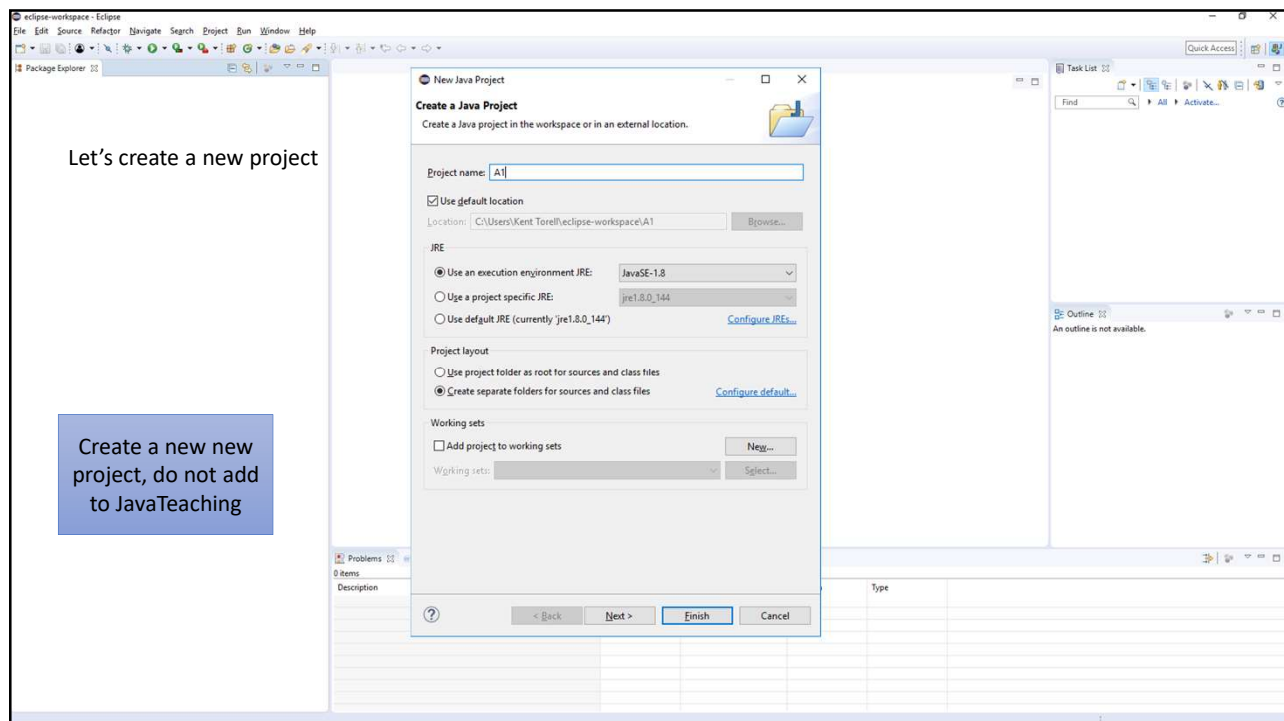
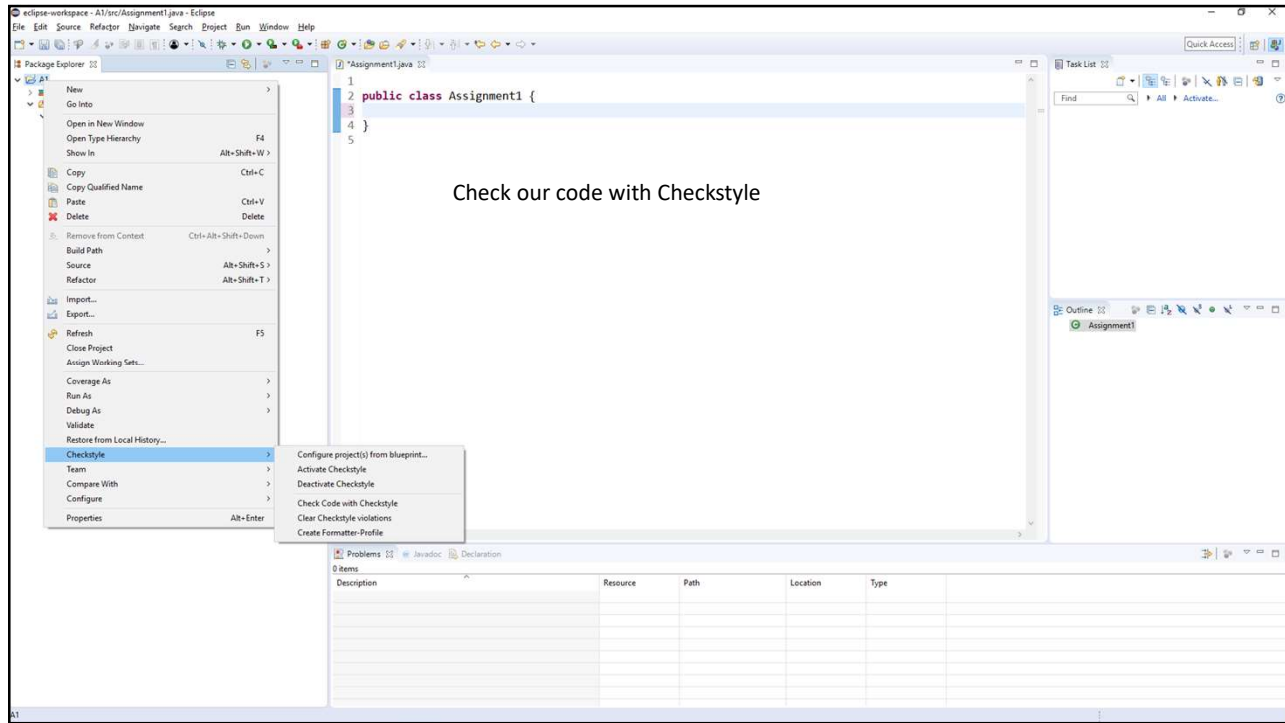
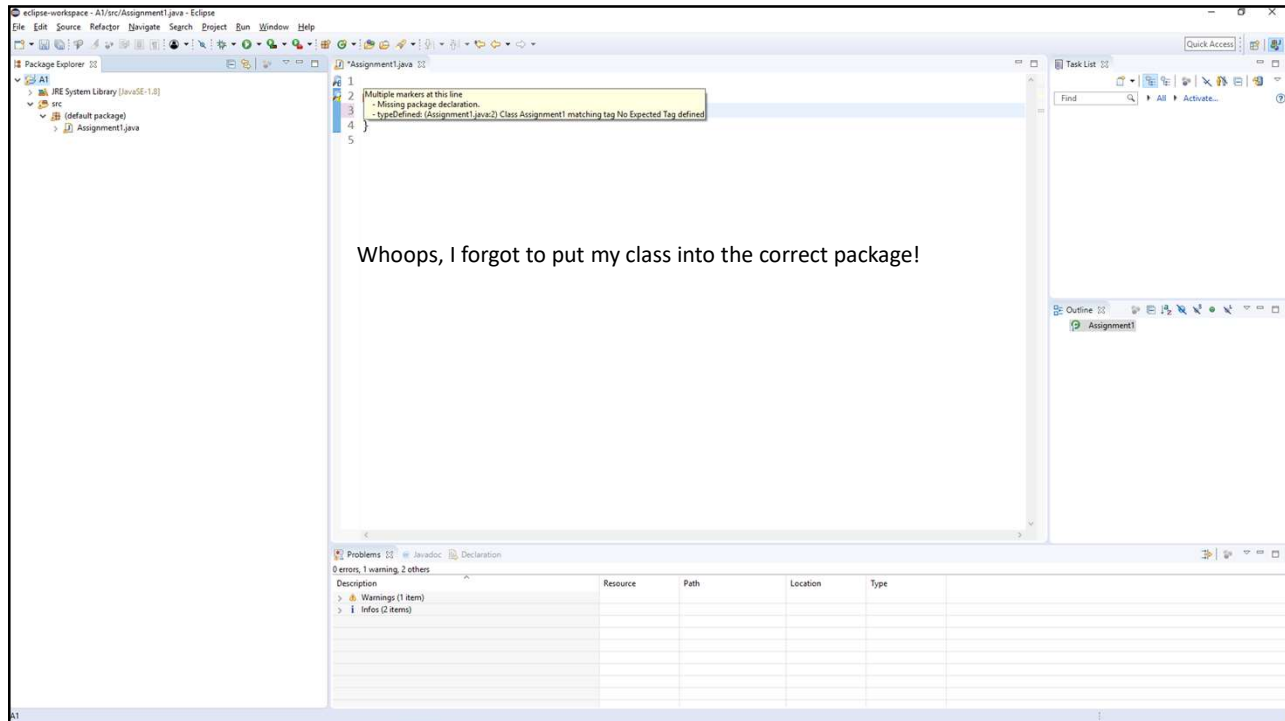


# Assignment 1 build up

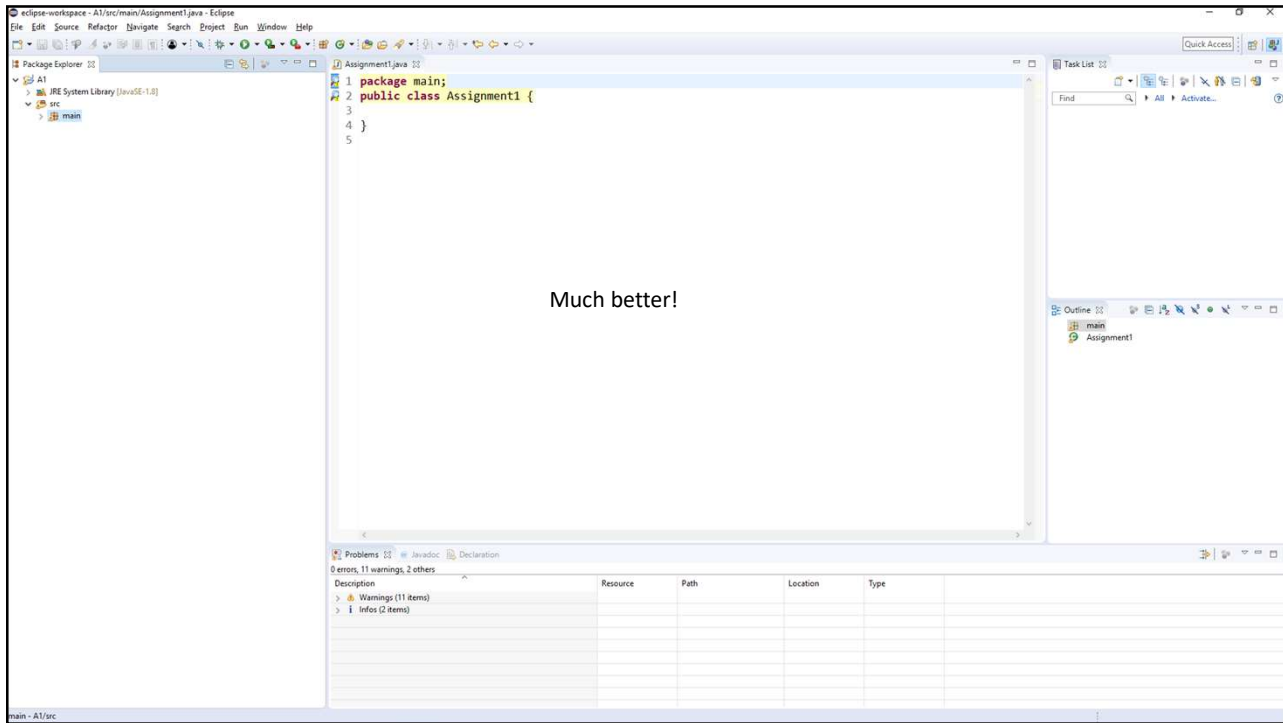
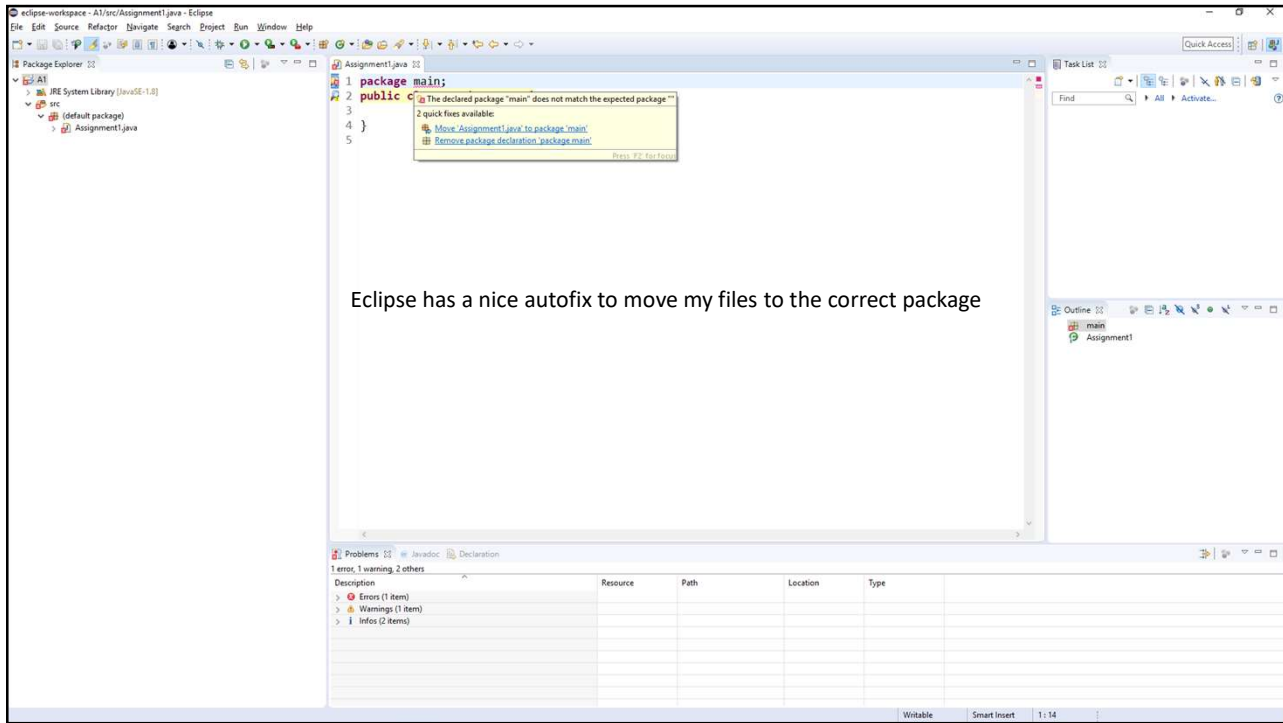




Check our code with Checkstyle



Whoops, I forgot to put my class into the correct package!



Notice I renamed the Project, the grading server will throw a hissy-fit without the correct project name!

Added skeleton code with just signatures defined in the assignment

```

1 package main;
2 public class Assignment1 {
3     public static void main(String[] args) {
4     }
5     }
6     public static void processInput() {
7     }
8     }
9     public static void scanString(String str) {
10    }
11    }
12    public static int indexOf(String s, char ch, int fromIndex) {}
13    return 0;
14 }
15 }
16 }

```

Description	Resource	Path	Location	Type
0 errors, 7 warnings, 1 other				
Warnings (7 items)				
Infos (1 item)				

Checkstyle looks better!

```

1 package main;
2 public class Assignment1 {
3     public static void main(String[] args) {
4     }
5     }
6     public static void processInput() {
7     }
8     }
9     public static void scanString(String str) {
10    }
11    }
12    public static int indexOf(String s, char ch, int fromIndex) {}
13    return 0;
14 }
15 }
16 }

```

Description	Resource	Path	Location	Type
0 errors, 7 warnings, 1 other				
Warnings (7 items)				
Infos (1 item)				

Whoops, still need to call the methods!

```

1 package main;
2 public class Assignment1 {
3     public static void main(String[] args) {
4         processInput();
5     }
6     public static void processInput() {
7         scanString("placeholder");
8     }
9     public static void scanString(String str) {
10    }
11 }
12 public static int indexOf(String s, char ch, int fromIndex) {
13     return 0;
14 }
15 }
16

```

Problems: 0 errors, 7 warnings, 1 other

That's better!  
Notice I am just using placeholders here to avoid some eclipse compile errors

```

1 package main;
2 public class Assignment1 {
3     public static void main(String[] args) {
4         processInput();
5     }
6     public static void processInput() {
7         scanString("placeholder");
8     }
9     public static void scanString(String str) {
10    indexOf("placeholder", ' ', 0);
11 }
12 public static int indexOf(String s, char ch, int fromIndex) {
13     return 0;
14 }
15 }
16

```

Problems: 0 errors, 5 warnings, 2 others

The screenshot shows the Eclipse IDE with the following code in `Assignment1.java`:

```

1 package main;
2 public static void main(String[] args) {
3     processInput();
4 }
5
6 public static void processInput() {
7     scanString("placeholder");
8 }
9
9 public static void scanString(String str) {
10     indexOf("placeholder", ' ', 0);
11 }
12
12 public static int indexOf(String s, char ch, int fromIndex) {
13     return 0;
14 }
15 }
16

```

The **Problems** window at the bottom shows 0 errors, 5 warnings, and 2 others. The **Outline** window on the right shows the class structure:

- main
  - Assignment1
    - main(String[]) : void
    - processInput() : void
    - scanString(String) : void
    - indexOf(String, char, int) : int

Center text: Still looking good!

The screenshot shows the Eclipse IDE with the same code as above, but with several compilation errors highlighted in yellow:

- Line 1: Multiple markers at this line
  - missingMethodCall: (Assignment1.java:1) has not made expected call (-?int->String/EC
  - missingMethodCall: (Assignment1.java:1) has not made expected call (-?hasVerb->boolean/EC
  - typeOfNeed: (Assignment1.java:1) Class Assignment1 matching tag main.Assignment1 defined
  - missingMethodCall: (Assignment1.java:1) has not made expected call indexOfNotStringCharInt->int/EC
  - expectedTypes: Expected type name(s) tag: (main.Assignment1, ScanningIterator/EC

The **Problems** window at the bottom shows 0 errors, 5 warnings, and 2 others. The **Outline** window on the right shows the class structure:

- main
  - Assignment1
    - main(String[]) : void
    - processInput() : void
    - scanString(String) : void
    - indexOf(String, char, int) : int

Center text: Much better, though I am still missing EC, but that is ok

This checkstyle error isn't important because it is just the placeholder anyways

```
1 package main;
2 public class Assignment1 {
3     public static void main(String[] args) {
4         processInput();
5     }
6     public static void processInput() {
7         The String "placeholder" appears 2 times in the file.
8     }
9     public static void scanString(String str) {
10        indexOf("placeholder", ' ', 0);
11    }
12    public static int indexOf(String s, char ch, int fromIndex) {
13        return 0;
14    }
15 }
16 }
```

My localchecks score is still terrible, but that makes sense because I don't have any code actually written

- Assignment1Suite[133.0 pts]
- Score: 2.1
- ScanStringTest[15.0 pts]
- ScanningIteratorSuite[30.0 pts][extra credit]
- MultipleTokenSuite[30.0 pts]
- InvalidCharacterSuite[10.0 pts][extra credit]
- TerminatesWithStartingPeriodSuite[5.0 pts]
- IndexOfNotTestSuite[5.0 pts][extra credit]
- IndexOfTestSuite[18.0 pts]
- TerminatesWithPeriodLineSuite[5.0 pts]
- SingleTokenSuite[10.0 pts]
- VariableSpaceSuite[5.0 pts][extra credit]

My scores are better, but I am forgot to return -1 instead of 0

Lets implement indexOf and see what happens!

Much better! That .5 is important!

```
1 package main;
2 public class Assignment1 {
3     public static void main(String[] args) {
4         processInput();
5     }
6     public static void processInput() {
7         scanString("placeholder");
8     }
9     public static void scanString(String str) {
10        indexOf("placeholder", ' ', 0);
11    }
12    public static int indexOf(String s, char ch, int fromIndex) {
13        return 0;
14    }
15 }
16 }
```

Let's change this 0 to -1

- Assignment1Suite[133.0 pts]
- Score: 17.5
- ScanStringTest[15.0 pts]
- ScanningIteratorSuite[30.0 pts][extra credit]
- MultipleTokenSuite[30.0 pts]
- InvalidCharacterSuite[10.0 pts][extra credit]
- TerminatesWithStartingPeriodSuite[5.0 pts]
- IndexOfNotTestSuite[5.0 pts][extra credit]
- IndexOfTestSuite[18.0 pts]
- Score: 18.0
- IndexOfTest[2.5 pts]
- IndexOfTestCharacterNotFound[2.5 pts]
- IndexOfTestFirstSpace[2.5 pts]
- IndexOfTestNonSpaceAtEnd[2.5 pts]
- IndexOfTestNonSpaceStart[2.5 pts]
- IndexOfTestSecondSpace[2.5 pts]
- IndexOfTestSpaceSumIndex[2.5 pts]
- TerminatesWithPeriodLineSuite[5.0 pts]
- SingleTokenSuite[10.0 pts]
- VariableSpaceSuite[5.0 pts][extra credit]

Test Failed: Incorrect output (Pattern:(.\*)132(.\*) not found in output line: [I\*\*\*](BasicProjectExecution) Calling on object class main.Assignment1

I made a mistake while making my scanString method.

```

7   scanString("placeholder");
8   }
9   public static void scanString(String s) {
10    char space = ' ';
11    if(s.charAt(s.length()-1) != space) {
12        s += ' ';
13    }
14    int fromIndex = 0;
15    int nextIndex = 0;
16    int sum = 0;
17    int product = 0;
18    String token;
19    System.out.println("Tokens:");
20    while(true) {
21        // [Redacted]
22    }
23    }
24
25    public static int indexOf(String s, char ch, int fromIndex) {
26        for(int i = fromIndex; i < s.length(); i++) {
27            // [Redacted]
28        }
29    }
30
31 }
32
33 public static int indexOf(String s, char ch, int fromIndex) {
34     for(int i = fromIndex; i < s.length(); i++) {
35         // [Redacted]
36     }
37 }

```

Execution exception caused by invocation exception caused by:  
java.lang.NumberFormatException: For input string: ""  
at java.lang.NumberFormatException.forInputString(Unknown Source)  
at java.lang.Integer.parseInt(Unknown Source)

I wasn't using the correct update in my loop

```

7   scanString("placeholder");
8   }
9   public static void scanString(String s) {
10    char space = ' ';
11    if(s.charAt(s.length()-1) != space) {
12        s += ' ';
13    }
14    int fromIndex = 0;
15    int nextIndex = 0;
16    int sum = 0;
17    int product = 0;
18    String token;
19    System.out.println("Tokens:");
20    while(true) {
21        // [Redacted]
22        fromIndex = nextIndex + 1;
23    }
24    }
25
26    public static int indexOf(String s, char ch, int fromIndex) {
27        for(int i = fromIndex; i < s.length(); i++) {
28            // [Redacted]
29        }
30    }
31
32 }
33
34 public static int indexOf(String s, char ch, int fromIndex) {
35     for(int i = fromIndex; i < s.length(); i++) {
36         // [Redacted]
37     }
38 }

```

I\*\*\*(OutputAndErrorCheckingTestCase) (.)22(.\*.)appeared in output  
I\*\*\*(OutputAndErrorCheckingTestCase) (.)44(.\*.)appeared in output  
I\*\*\*(OutputAndErrorCheckingTestCase) (.)66(.\*.)appeared in output  
I\*\*\*(ScanStringTest) Comparing actual return value: null with expected return value: null



```
1 package main;
2
3 import java.util.Scanner;
4
5 public class Assignment1 {
6     public static void main(String[] args) {
7         processInput();
8     }
9     public static void processInput() {
10        Scanner scan = new Scanner(System.in);
11
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21    }
22    public static void scanString(String s) {
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```

I get a HUGE amount of points by adding processInput... but not all, I have an error somewhere

Test Failed: Incorrect output See console/transcript.00.0

```
1 package main;
2
3 import java.util.Scanner;
4
5 public class Assignment1 {
6     public static void main(String[] args) {
7         processInput();
8     }
9     public static void processInput() {
10        Scanner scan = new Scanner(System.in);
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21    }
22    public static void scanString(String s) {
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Lets look at the errors.

I\*\*\*(BasicProjectExecution) Created tmp file: tmpMethodOut24.txt  
I\*\*\*(BasicProjectExecution) Calling on object class main.Assignment1 1318365758 method:public static void main.Assignment1.main(java.lang.Str  
Tokens:  
Sum: 202  
Product: 0  
Goodbye!  
I\*\*\*(SingleTokenOutputTest) \_\_\_\_\_  
E\*\*\*(.\*)0202(.\*) did not appear in output  
Pattern:(.\*)0202(.\*) not found in output line: [I\*\*\*(BasicProjectExecution) Calling on object class main.Assignment1 1318365758 method:public  
java.lang.AssertionError: Incorrect output (Pattern:(.\*)0202(.\*) not found in output line: [I\*\*\*(BasicProjectExecution) Calling on object cla

