```
Enter an expression: (a-(b*c))
Pair: 3 7
Exception in thread "main" java.lang.IndexOutOfBoundsException: Index -1 out of bounds for length 2
    at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:100)
    at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:106)
    at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:302)
    at java.base/java.util.Objects.checkIndex(Objects.java:365)
    at java.base/java.util.ArrayList.get(ArrayList.java:428)
    at Mastery.ParenChecker.stack.pop(stack.java:23)
```

I am getting an outofBounds exception in the main method after the first set of parenthesis were found.

```
public int pop() {
   top -= 1;
   return(data.get(top));
}
```

Error was with the pop operation in the stack class. Since the top value was decremented before returning it, having a parenthesis at index 0 meant i was trying to ge the value of the element at index -1.

```
public int pop() {
    int item = data.get(top);
    top -= 1;
    return(item);
}
```

Fixed by storing the data item before decreasing the top index.

```
Enter an expression: (a-(b*c))
Pair: 3 7
Pair: 0 8
```

Same example shows the correct output.

```
Enter an expression: a-(b
```

No output when there is only an open parenthesis. The stack is not empty at the end of this program.

Fixed by handling the case where the stack is not empty after the for loop terminates.

```
Enter an expression: a-(b
Error. Unmatched "(" in your expression
```

Fixed output.