Credit
3110
Assignment
E3ParenChecker

How has your program changed from planning to coding to now? Please explain?

```java
1  package mastery;
2
3  /*
4   Program: ParenChecker.java
5   Last Date of this Revision: January 29, 2026
6
7   Purpose: display matching parenthesis positions
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9   School: CHHS
10  Course: Computer Programming 30
11  */
12
13  import java.util.Scanner;
14
15  public class ParenChecker
16  {
17
18      public static void main(String[] args)
19      {
20          Scanner input = new Scanner(System.in);
21
22          System.out.print("enter an expression: ");
23          String expression = input.nextLine();
24
25          Stack stack = new Stack(expression.length());
26
27          for (int i = 0; i < expression.length(); i++)
28          {
29              char current = expression.charAt(i);
30
31              if (current == '(')
32              {
33                  stack.push((char)(i + 1));
34              }
35              else if (current == ')')
36              {
37                  if (!stack.isEmpty())
38                  {
39                      int openIndex = (int)stack.pop();
40                      int closeIndex = i + 1;
41
42                      System.out.println("pair: " + openIndex + " " + closeIndex);
43                  }
44              }
45          }
46
```