Credit
3110
Assignment
E4NumDigits

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

```java
4  Program: Numdigits.java
5  Last Date of this Revision: January 29, 2026
6
7  Purpose: provide search algorithms including ternary search
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9  School: CHHS
10  Course: Computer Programming 30
11  */
12
13  import java.util.Scanner;
14
15  public class NumDigits {
16
17      /**
18       * counts digits recursively
19       * pre number >= 0
20       * post digit count returned
21       */
22      public static int countDigits(int num) {
23
24          if (num < 10) {
25              return 1;
26          }
27
28          return 1 + countDigits(num / 10);
29      }
30
31      public static void main(String[] args) {
32
33          Scanner input = new Scanner(System.in);
34
35          System.out.print("enter a number ");
36          int num = input.nextInt();
37
38          System.out.println("digits " + countDigits(num));
39
40          input.close();
41      }
42  }
```