

Practice Problem: Digit Machine

Tags: Lab2, scanner, conditional, loop, adding machine

Remember the Adding Machine from Lab 2? Let's make a new machine with even simpler input and a little more complicated behavior.

- If the user enters a single digit, nothing is printed out.
- If the user enters more than one digit, an error message of your choice is printed out.
- If the user enters a period (.), a number which is all of the previous digits concatenated together is printed out (so if you enter 1 2 3 . you get 123).
- If the user enters a second period (right after a previous period) the sum of all the created numbers is printed out, and the program exits.

Here is an example of behavior

```
> 1
> 2
> 3
> .
123
> 4
> 5
> 6
> .
456
> .
579
```

You can get starter code for the Adding Machine from Lab 2 [here](#). You will need a new method of Scanner. You could use one of several methods, but I suggest `Scanner.nextLine()`, which you can read about [here](#) (it does exactly what you would expect). You may also need to use the function `Integer.parseInt(String s)` which changes a String to an Integer.