

Trevor Zellmer
Intermediate Java
Week3 Take Home

I tested two correct credit card numbers, pre-dash separated numbers, a fake number, and some completely incorrect input. Things seem to work well!

```
12
13 public static Boolean ccNumber(String cn){
14     int sum = 0;
15     for (int i = 0; i < cn.length(); i++){
16         int digit = Character.getNumericValue(cn.charAt(i));
17         sum += digit;
18         //use modulo to get every other number from the right
19         if (i % 2 == 0){
20             sum += digit;
21             if (digit > 4)
22                 sum += 1;
23         }
24     }
25     if (sum % 10 == 0)
26         return true;
27     else
28         return false;
29 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
[remlliez@archtop intermediate]$ ./run.sh week3 p1
Type in a credit card number to format:
4012888888881881
Valid card number: 4012-8888-8888-1881
Type in a credit card number to format:
123 fake number
Sorry, there was an error!
Type in a credit card number to format:
4012-8888-8888-1881
Valid card number: 4012-8888-8888-1881
Type in a credit card number to format:
4929387110190932
Valid card number: 4929-3871-1019-0932
Type in a credit card number to format:
1234123412341234
INVALID NUMBER
Type in a credit card number to format:
```