Square Every Digit

Welcome. In this kata, you are asked to square every digit of a number and concatenate them.

For example, if we run 9119 through the function, 811181 will come out, because 92 is 81 and 12 is 1.

Note: The function accepts an integer and returns an integer

My solution:

```
export class Kata {
  static squareDigits(num: number) {
    let digit:string = ""+num
    let final:string = ""
    for(let i:number = 0; i < digit.length; i++) {
        final += Number(digit[i]) ** 2
    }
    return Number(final)
}</pre>
```

Best practice/Clever

The best solution converted the number into a string $\frac{\text{+num.tostring}}{\text{+num.tostring}}$, converted it into an array of characters $\frac{\text{.split}}{\text{.map}(n)}$. The $\frac{\text{.map}(n)}{\text{.map}(n)}$ line iterates through each element of the array and squares them. $\frac{\text{.join}(1)}{\text{.join}(1)}$ combines all of the elements of an array into a string

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