

Challenge 3: Sum of Digits in an Integer

In this challenge, you will implement a method which will return the sum of digits in an integer.

We'll cover the following

- Problem statement
 - Method Prototype
 - Sample input
 - Sample output
 - Pictorial Representation

Problem statement

Implement a *method* in Java called *sumOfDig* which will **return** the sum of the *digits* in an `int` variable passed to it.

Method Prototype

```
int sumOfDig(int var)
```

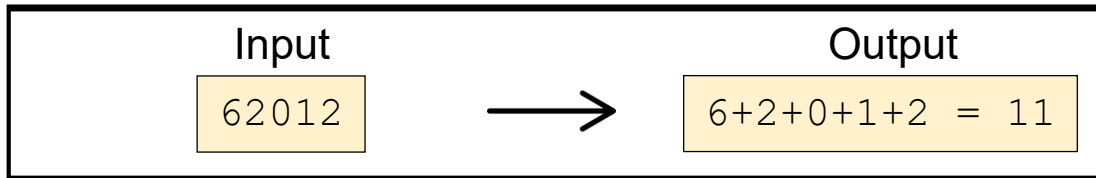
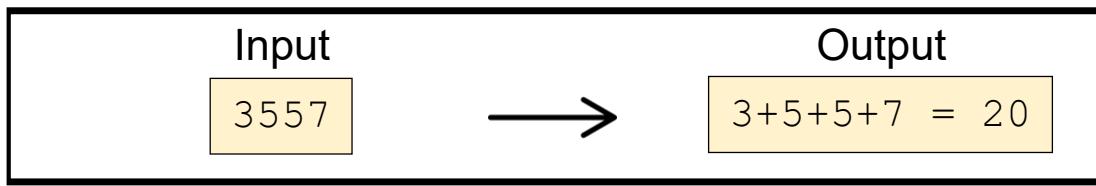
Sample input

```
var = 3557
```

Sample output

```
sum = 3 + 5 + 5 + 7 = 20
```

Pictorial Representation



Sum of digits

Try to implement the solution by *yourself* once you have understood the *problem statement* clearly. Referring to the solution part should be your last resort. **Good luck!**

```
class SumDigits {  
    public static int sumOfDig(int  
        var) {  
  
        // your code goes here  
        return var; // return the resultant sum  
    }  
}
```



Sum of Digits

Let's discuss the solution of the above challenge in the next lesson.