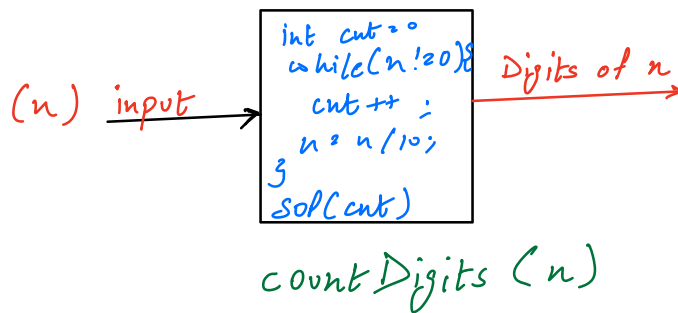


// common piece of code



Function
↳

Block of code, takes some input,
performs some repeated task

$$\begin{array}{ccc} f(x) & = & x+1 \\ \text{input} & & \text{output} \end{array}$$

return_type function_name (type input_parameter) {

 // perform logic

 return ans;

}

// Function to return sum of 2 numbers

```
int sum (int a, int b) {
```

```
    int ans = a+b;
```

```
    return ans;
```

```
}
```

```
main ( ) {
```

```
    // Basic stuff
```

```
    int a = sc.nextInt();
```

```
    int b = sc.nextInt();
```

```
    int c = sum(a, b);
```

```
    SOP(c);
```

```
}
```

// Function to print sum of a & b

```
void sum (int a, int b) {
```

```
    int ans = a+b;
```

```
    SOP(ans);
```

```
}
```

// Diff b/w SOP & return

Sol \Rightarrow Print to output
Return \Rightarrow Return some ans