```java
main() {
    Scanner scn = new Scanner(System.in);
    int a = scn.nextInt();
    int cnta = 0;
    while (a > 0) {
        cnta++;
        a = a/10;
    }
    SOP(cnta);

    int b = scn.nextInt();
    int cntb = 0;
    while (b > 0) {
        cntb++;
        b = b/10;
    }
    SOP(cntb);
    :
    :
    :
    int c = scn.nextInt();
    int cntc = 0;
    while (c > 0) {
        cntc++;
        c = c/10;
    }
    SOP(cntc);
```
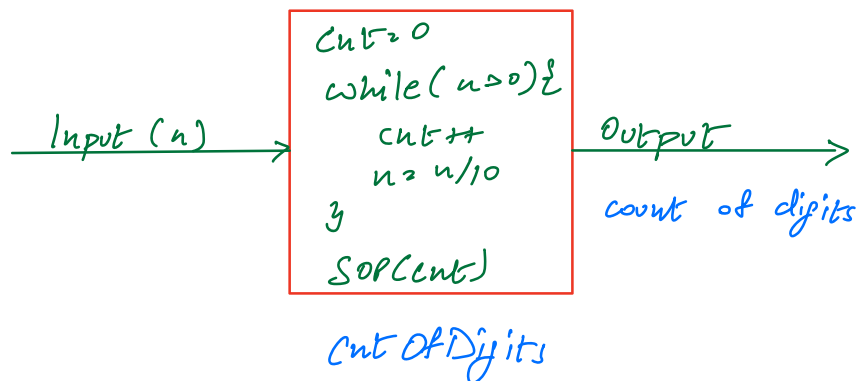
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**Problems of copy-pasting code**
- Difficult to read
- Difficult to debug
- Code redundancy
- Too many lines of code

Input (n) →
```
cnt = 0
while(n>0){
    cnt++
    n = n/10
}
SOP(cnt)
```
→ Output

count of digits

cntOfDigits

Functions

```
main() {
    // make scanner
    int cnta = cntOfDigits(a);
    SOP(cnta);

    int cntb = cntOfDigits(b);
    SOP(cntb);
    ⋮
    int cntc = cntOfDigits(c);
```

```
        SOP( cntC );
}
```

## Syntax

```
returnType   functionName (Type   parameterName ) {
            // Write your logic
            return   output;
    }
```

Write a function to return sum of 2 integers

```
    int  sum (int  a, int b ) {
            int  c = a+b;
            return  c;
    }


    main ( ) {
    a = 15,  b = 5
    SOP( sum (10,6 ));
}
```

Write a function to print sum of 2 integers in input

```
void sum(int a, int b) {
    int c = a+b;
    SOP(c);
    return;
}
```