Functions Methods

Suppose we're given 3 integers a,b,c we've to calculate sum of digits for all these nos. separately and print the sum.

$$a = 140$$
 $b = 7861$ $c = 52$
 $\frac{1}{5}$
 $\frac{1}{22}$

If a,b,c int sum l=0while (a >0) < int last dig = a./. 10 sum l=l = sum l+l + dast dig l=l = a/10

System. out.println (som))

int sum2=0

while (b70)

int last clig = b / 10

som 2 = som 2 + last dig
 b = b / 10

System. out.println (som2)

- 1. Redundancy
- 2. Readability
- 3. Maintability

* return type of output

anstype function name (input Type input-war) < zcturn ans; Write a for which takes 2 input a and b and return their sum? int sum Of Two Mumbers (int a, int b) < int som = a +b; If anstype is void, no need of

```
class Test {
  public static int sum(int a, int b) {
    return a + b;
  }
  public static void main(String[] args) {
    int a = 15, b = 5;
    System.out.println(sum(a, 10));
  }
}
```

```
class Test {
  public static int sum(int a, int b) {
    return a + b;
  }
  public static void main(String[] args) {
    int a = 15, b = 5;
    sum(a,b);
  }
}
```

tothing will
be printed
be printed
code will ron
successfully

O int n= som (a,b)
System. out. print (n)

(a,b)) System, out print (som (a,b))

```
class Test {
 public static int sum(int a, int b){
                                     return statement
   System.out.print(a + b);
                              1100
 }
 public static void main(String[] args){
   int a = 15, b = 5;
   sum(a,b);
    15,5
 }
}
class Test {
  public static int sum(int a, int b){
    return a + b;
           20 45
  }
  public static void main(String[] args){
    int a = 15, b = 5;
    System.out.println(sum(20, b));
  }
class Test {
  public static int sum(int a, int b){
    return a + b:
            6 + 10
  }
  public static void main(String[] args){
                                                    OP
    int a = 15, b = 5;
    System.out.println(sum(6, 10));
```