

METHODS IN JAVA

- Methods are the set of statements used to perform a particular task
- ⇒ If a method has to be executed it has to be called using its name

```
SYNTAX:
```

```
return type methodName(parameter)
{
    //Definition i.e body of the method call
}
```

EXAMPLE:

⇒ Based on whether a method is accepting a parameter and returning the value or not .Methods are classified into 4 types they are:-

TYPE-1 METHOD:

Methods which would not accept any parameters and would not return any value is known to be type 1 method.

Example:

```
assignmentjava x

1 package assignment;
2
3 public class assignment {
4     public static void main(String[]args)
5     {
6         add();
7     }
8     public static void add()
9     {
10         int a = 10;
11         int b = 20;
12         int c = a+b;
13         System.out.println("the value of c is "+c);
14     }
15
16
17 }
17 }
18 Problems Javadoc Declaration Console x

<terminated> assignment [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (Jul 21, 2023, 6:01:28 PM - 6:01:30 PM) [pid: 8320]
the value of c is 30
```

TYPE-2 METHOD:

Methods which would not accept any parameters and would return a value is known to be type 2 method.

TYPE-3 METHOD:

Methods which would accept any parameters and would not return a value is known to be type 3 method.

```
■ assignmentjava ×

1 package assignment;
2
3 public class assignment {
4  public static void main(String[]args)
5  {
6  int x = 70;
7  int y = 20;
8  mul(x,y);
9
10 }
11  public static void mul(int a,int b)
12  {
13
14  int c = a*b;
15  System.out.println("the value of c is "+c);
16
17  }
18
19
20 }
20 }
21

■ Problems ● Javadoc ® Declaration ■ Console ×

<terminated > assignment | Java Application| C\Program Files\Java\Jdk-17\bin\Javaw.exe (Jul 21, 2023, 60822 PM - 60824 PM) [pid: 9340]

the value of c is 1400
```

TYPE-4 METHOD:

Methods which would accept any parameters and would return a value is known to be type 4 method.

HAPPINESS IS



...when your code runs without error.

