

Java Methods

Call a Method

Sample Code

```
public class Main {  
    static void myMethod() {  
        System.out.println("Hello Everyone!");  
    }  
  
    public static void main(String[] args) {  
        myMethod();  
    }  
}
```

Output

Hello Everyone!

Sample Code 1.1

```
public class Main {  
    static void myMethod() {  
        System.out.println("I Love You!");  
    }  
  
    public static void main(String[] args) {  
        myMethod();  
    }  
}
```

```
        myMethod();  
        myMethod();  
    }  
}
```

Output

```
I Love You!  
I Love You!  
I Love You!
```

Sample Code 1.2

```
public class ExampleMinNumber {  
  
    public static void main(String[] args) {  
        int a = 57;  
        int b = 22;  
        int c = minFunction(a, b);  
        System.out.println("Minimum Value = " + c);  
    }  
  
    /** returns the minimum of two numbers */  
    public static int minFunction(int n1, int n2) {  
        int min;  
        if (n1 > n2)  
            min = n2;  
        else  
            min = n1;  
  
        return min;  
    }  
}
```

Output

```
Minimum Value = 22
```

Sample Code 1.3

```
class Main {

    // create a method
    public int addNumbers(int a, int b) {
        int sum = a + b;
        // return value
        return sum;
    }

    public static void main(String[] args) {

        int num1 = 27;
        int num2 = 17;

        // create an object of Main
        Main obj = new Main();
        // calling method
        int result = obj.addNumbers(num1, num2);
        System.out.println("Sum is: " + result);
    }
}
```

Output

```
Sum is: 54
```

Method Return Type

Sample Code

```
class Main {

    // create a method
    public static int square(int num) {

        // return statement
        return num * num;
    }
}
```

```
public static void main(String[] args) {  
    int result;  
  
    // call the method  
    // store returned value to result  
    result = square(12);  
  
    System.out.println("Squared value of 12 is: " + result);  
}  
}
```

Output

Squared value of 12 is: 144

References

- <https://www.programiz.com/java-programming/methods>
- https://www.tutorialspoint.com/java/java_methods.htm
- https://www.w3schools.com/java/java_methods.asp