

# Java Method Parameters

## Parameters and Arguments

### Sample Code

```
public class Main {  
    static void myMethod(String fname) {  
        System.out.println(fname + " Good");  
    }  
  
    public static void main(String[] args) {  
        myMethod("Very");  
        myMethod("Not");  
    }  
}
```

### Output

Very Good

Not Good

### Sample Code 1.1

```
public class Jarvis {  
    public void sayHi(String name) {  
        System.out.println("Good day, " + name + ". How are  
you?");  
    }  
  
    public static void main(String[] args) {
```

```
        Jarvis jarvis = new Jarvis();
        jarvis.sayHi("Captain");
    }
}
```

### Output

Good evening, Captain. How are you?

## Multiple Parameters

### Sample Code

```
public class Main {
    static void myMethod(String fname, int age) {
        System.out.println(fname + " is " + age);
    }

    public static void main(String[] args) {
        myMethod("Gemini", 11);
        myMethod("Elijane", 10);
        myMethod("Ace", 13);
    }
}
```

### Output

Gemini is 11

Elijane is 10

Ace is 13

## Return Values

### Sample Code

```
public class Main {  
    static int myMethod(int x) {  
        return 6 + x;  
    }  
  
    public static void main(String[] args) {  
        System.out.println(myMethod(11));  
    }  
}
```

### Output

17

## Method with If-Else

### Sample Code

```
public class Main {  
  
    // Create a checkAge() method with an integer variable called age  
    static void checkAge(int age) {  
  
        // If age is less than 18, print "access denied"  
        if (age < 18) {
```

```
        System.out.println("Access denied - You are not old enough!");

        // If age is greater than, or equal to, 18, print "access granted"
    } else {
        System.out.println("Access granted - You are old enough!");
    }

}

public static void main(String[] args) {
    checkAge(22); // Call the checkAge method and pass along an age of 20
}
}
```

## Output

Access granted - You are old enough!

## References

- <https://codegym.cc/groups/posts/34-methods>
- <https://www.geeksforgeeks.org/java-method-parameters/>
- [https://www.w3schools.com/java/java\\_methods\\_param.asp](https://www.w3schools.com/java/java_methods_param.asp)