# OODP Workshop 7

**Submitted by**

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1. **Find definitions for the following terms as they relate to Java programming:**
   1. **Parameter**

A parameter is a variable used in a method to refer to one of the pieces of data provided as input to the method. These inputs are called arguments when the method is invoked.

* 1. **Method**

A method is a block of code that performs a specific task. It can take input parameters, execute instructions, and return a result.

* 1. **Return value**

The return value is the output that a method provides after execution. It’s the value that the method sends back to the code that called it.

* 1. **Method signature**

The method signature consists of the method's name and the parameter list (including types) in a defined order. It uniquely identifies a method in a class.

1. **Consider the following method:**

public static int addValues(int x, int y){

System.out.println(x + y);

return (x + y);

}

* 1. **What parameters does the method have?**

It has 2 parameters which are **int x and int y**

* 1. **What are appropriate values for the arguments when this method is called?**

Appropriate values for the arguments are any two integers. Probable sets are:

(5,6),(-1,0),(-2,-2)etc.

* 1. **What is return value?**

The return value is the sum of the two integers x and y.for the sets of (b) the return value would be: 11, -1,-4.

* 1. P**rovide one example of how you might call this method.**

To call this method:

*Int sum= addValues(5,6);*

1. **Consider the following method:**

**public static void addValues(int x, int y){**

**System.out.println(x + y);**

**}**

* 1. **What parameters does the method have?**

The method has two parameters which are integers.

* 1. **What are appropriate values for the arguments when this method is called?**

Appropriate values for the arguments are any two integers. Probable sets are.

(5,6),(-1,0),(-2,-2)etc.

* 1. **What is return value?**

This method does not have a return value because it is defined with the void keyword. It simply prints the sum of the two integers to the console, but it does not return anything.

* 1. **Provide one example of how you might call this method.**

To call this value we just need to:

addValues(7, 13);

1. **Practice modularization.**

The **menu.java** file has been attached with this solution doc.