

Why we pass parameter to a function ?  
We should pass parameter to a function for getting more information regarding the function.

If we don't pass parameter then the information are not complete. It is partial information.

functions

```
public void addSum(int x, int y)
{
    int sum = x + y;
}

public void deposit(double amount)
{
    balance += amount;
}

public void sleep(int hours)
{
    System.out.println("Sleeping for " + hours + " hours");
}
```

Why functions are called methods in Java ?

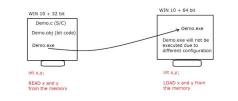
```
public void add() {
    System.out.println("Addition Operator");
}

class Test {
    public void m1() {
        System.out.println("Method");
    }
}
```

In Java, it is not possible to write a method inside another method. So, every function, we should write inside one class.

\* In C++ language, there is a facility to write a function inside the class as well outside of the class by using friend function. But in Java, we can't do that. If we want to do that, then we can define a static member of the class. Then its friend functions are called methods in Java.

\*\* What is platform independence in Java ?

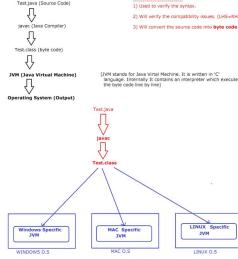


\* C and C++ programs are platform dependent programs that means the user created an application will run on a particular system. Hence it is called system configuration.



\* C and C++ programs are not suitable for website development because they are platform dependent.

How java is platform independent ?



Java is a platform independent language. Whenever we write a java program, the extension of java program is .java.

Note that, all we need to do is to compile (.java) for compilation process. After successful compilation the compiler will provide a very special byte code file i.e. .class file (also known as bytecode).

The file of .class is loaded and executed by the class file. Here .java file is a major one because it converts the application code into byte code. The byte code is then loaded and executed by the Java Virtual Machine.

Note - Java is a platform independent language that means Java is platform independent technology whereas as .class is platform independent technology.

Java is a platform independent language as it executes the code line by line. It is written in C language hence platform independent.

Note - Java is a platform independent language. All are known as .class files (Compiled Binary Code).