

"Java is a case sensitive programming language"

Naming Conventions in JAVA

1. ClassName → Pascal Case Convention.

Fan → Noun
ElectricFan

2. variableName → Camel Case convention

noOfWings → Noun
priceOfTheFan

3. methodName → camelCase convention

blowingAir() → verb (action)
blowingColdAir()

4. InterfaceName → Pascal Case convention

Runnable → Adjective (-able)

Naming Conventions

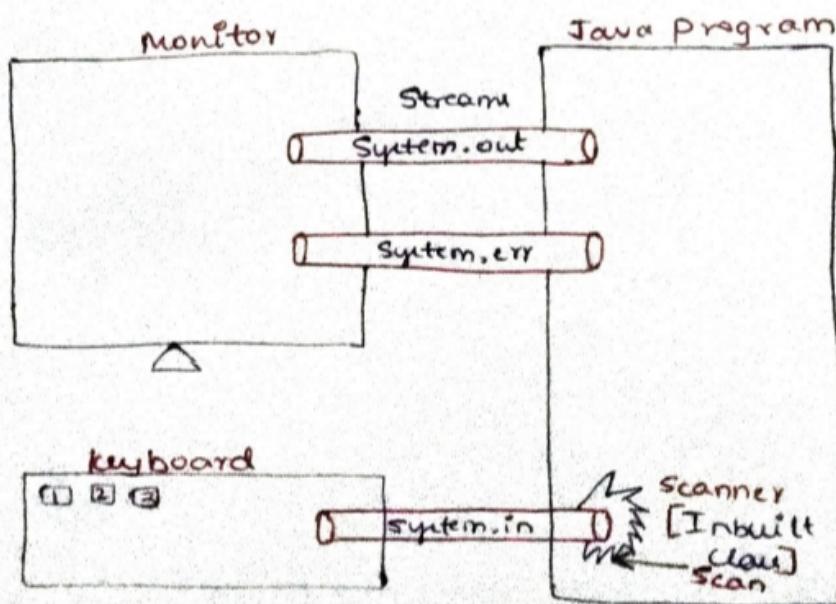
1. Pascal Case Convention

2. camel Case convention

3. kebab-case convention

4. snake-case convention.

Input - Output in Java [Streams]



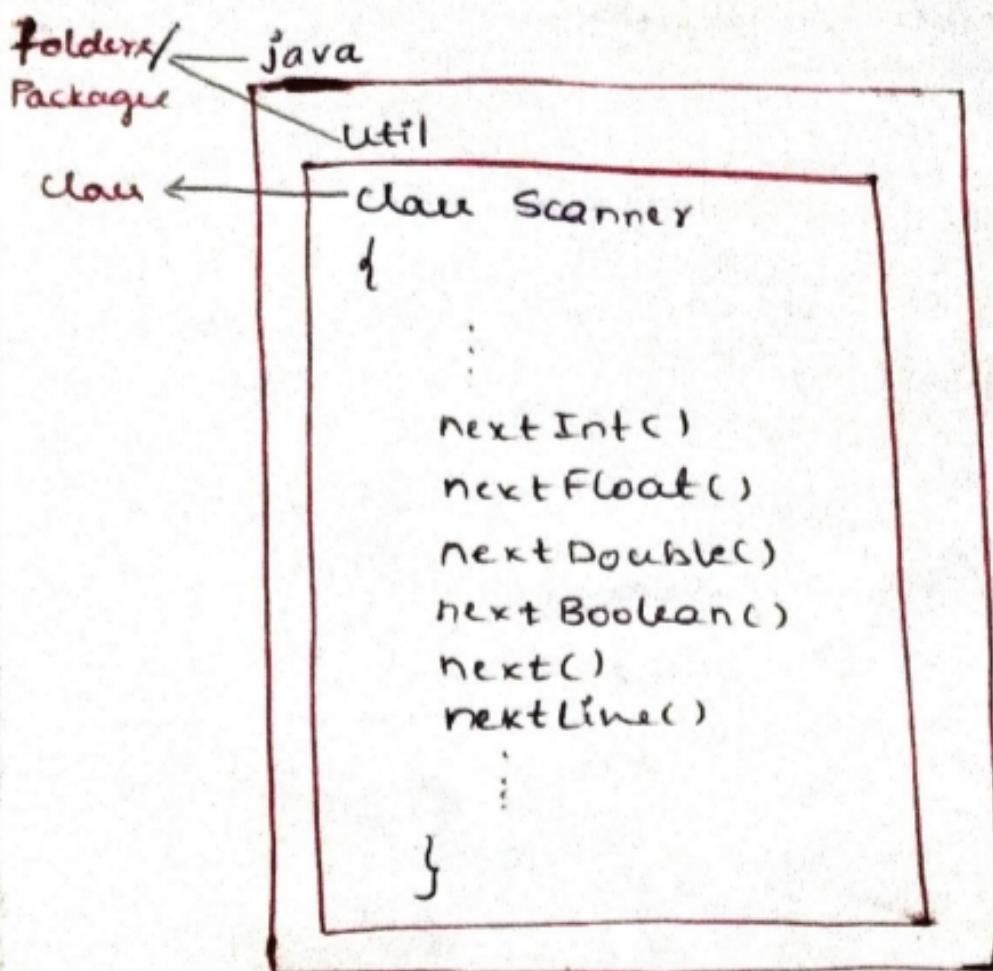
Output

To display output message :-

```
System.out.println("Hello, world!");
```

To display Error message :-

```
System.err.println("Invalid Input!");
```



Input

```
import java.util.Scanner;  
  
Scanner scan = new Scanner(System.in);  
int num = scan.nextInt();
```

Main Method in Java

Operating System

Windows [Microsoft]

Linux [AT&T Lab]

Macintosh OS [Apple]

Programming language

C/C++ [AT&T Lab]

C# [Microsoft]

Java [Oracle]/Python [PSF]

Method

→ The most important software in a computer is the Operating System (OS). As the name suggests it makes the System Operational.

→ For any operating system to handover the control of execution to a program written in any programming language, main function must be present.

→ Every method / Function must have the following 4 components.

- ①. Name
- ②. Input
- ③. Activity.
- ④. Output

output name (input)

{

Activity/Task

}

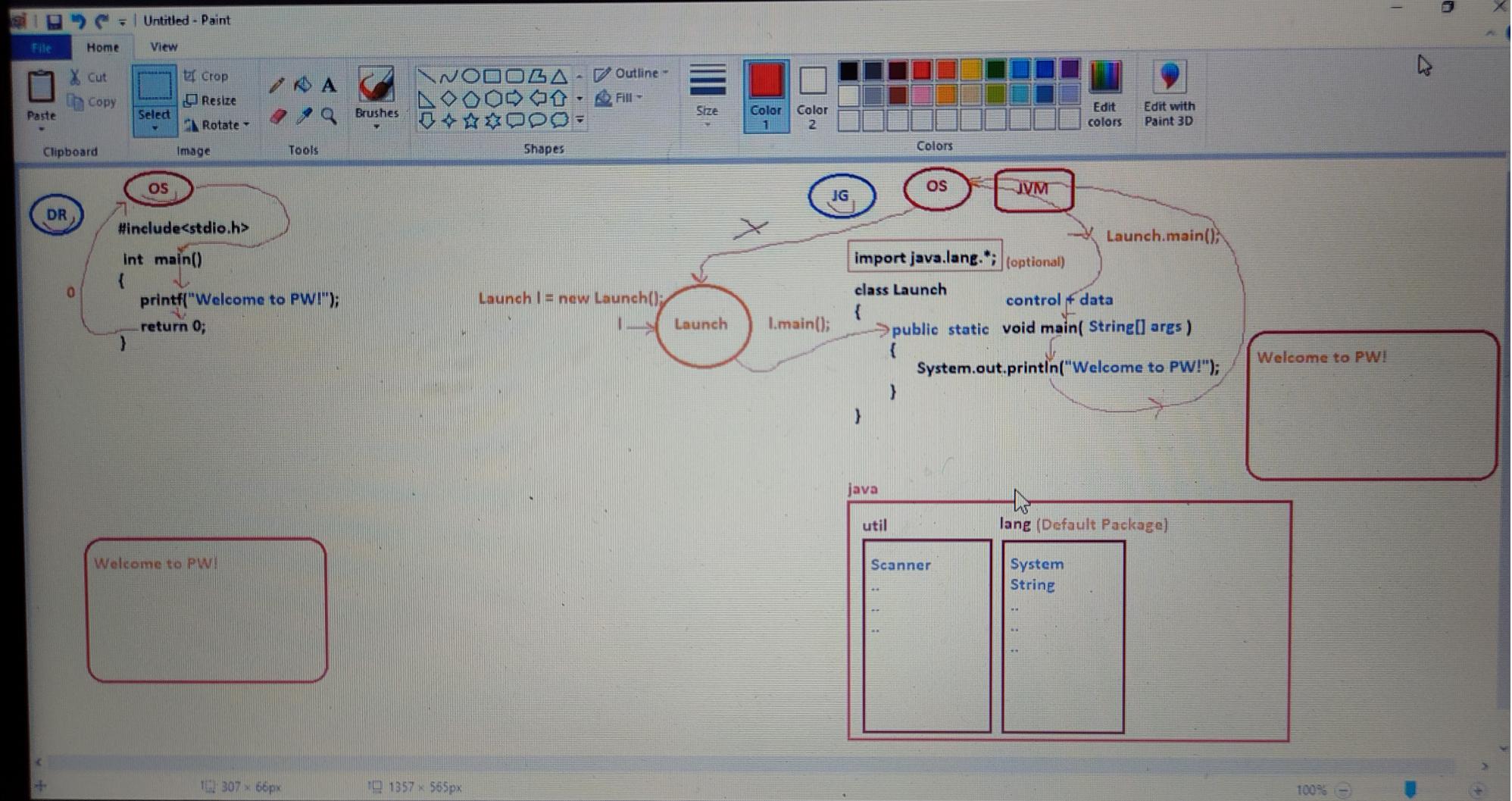
↔

return-type name (parameters)

{

 // Body of the Method

}



NOTE

- * Main method is the entry point or starting point of execution within a program.
- * Main method should be declared as public so that it becomes visible to the operating system. [JVM]
- * Main method (main()) should be declared as static so that it becomes accessible to the operating system without creating an object of the enclosing class.
- * void is return type of the main method and it can't be changed. In other words, main() cannot return a value.
- * main is the name of the method to which control of execution will be handed over to.
- * String[] args is the mandatory parameter of the main method which is used to collect "Command Line Arguments".

Hence, the standard signature of main method is

Public static void main(String[] args)