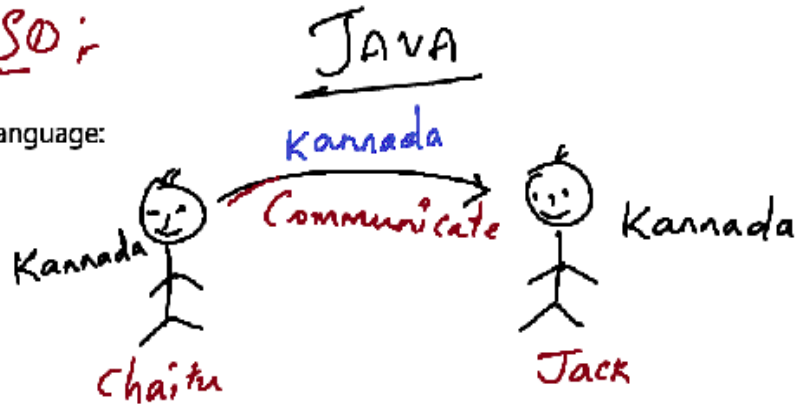
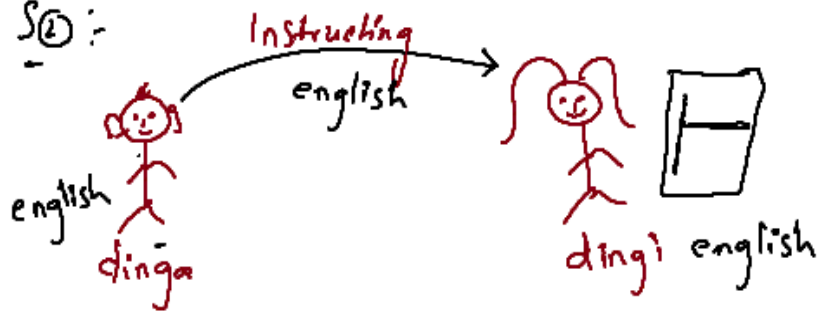


S①:

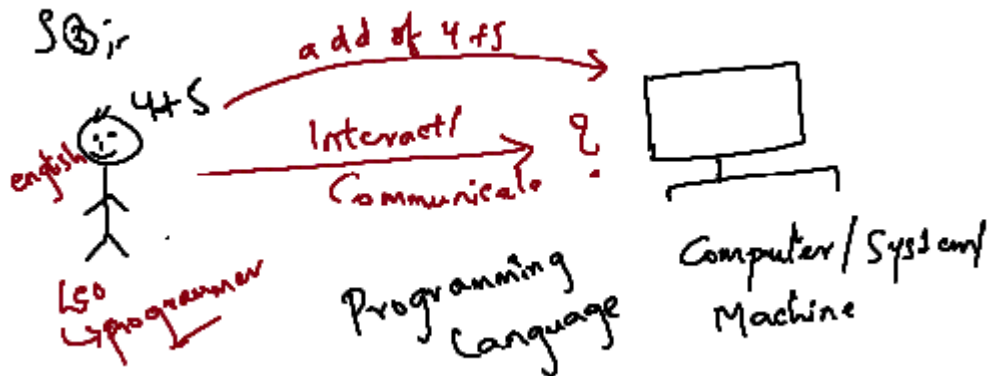
Language:



S②:



S③:



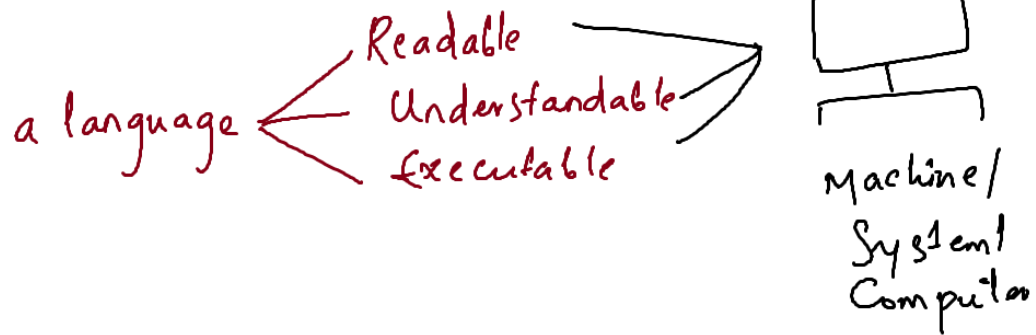
Programing Language:

A Language which is used to instruct the computer/system/machine to perform a specific task.

It is Classified into 3 Types:

- 1) Machine Level / Low Level Programing Language
- 2) Assembly Level / Mid Level Programing Language
- 3) High Level Programing Language

Machine Level / Low Level :



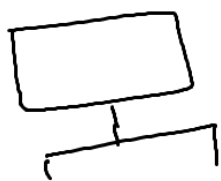
Ex: Binary Language

$\swarrow \searrow$

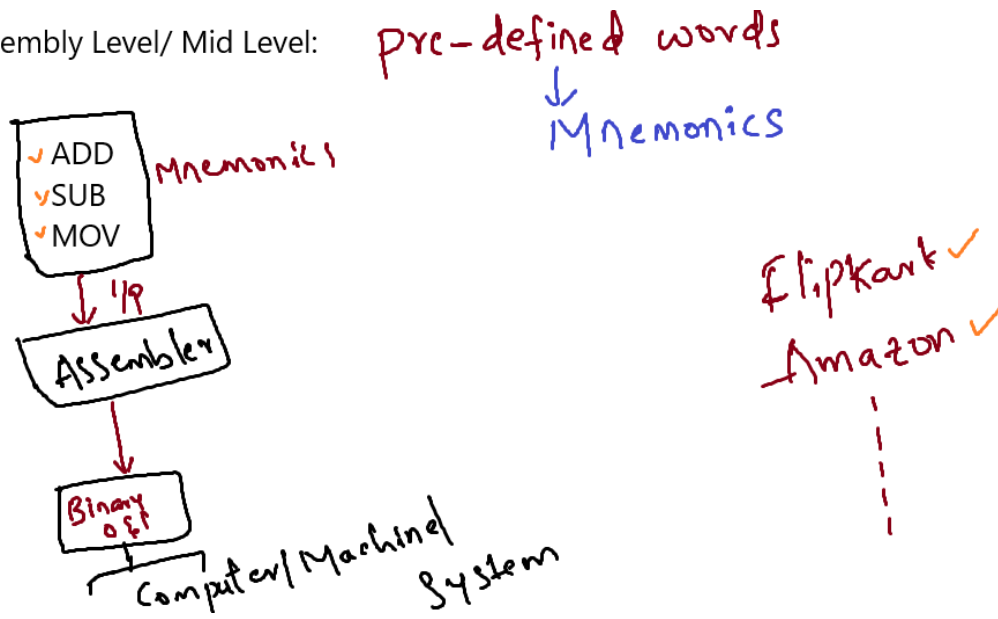
0 1

98926543  
 $\rightarrow$

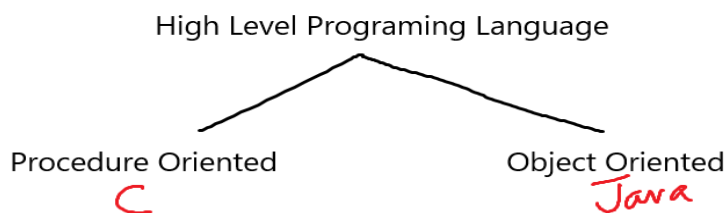
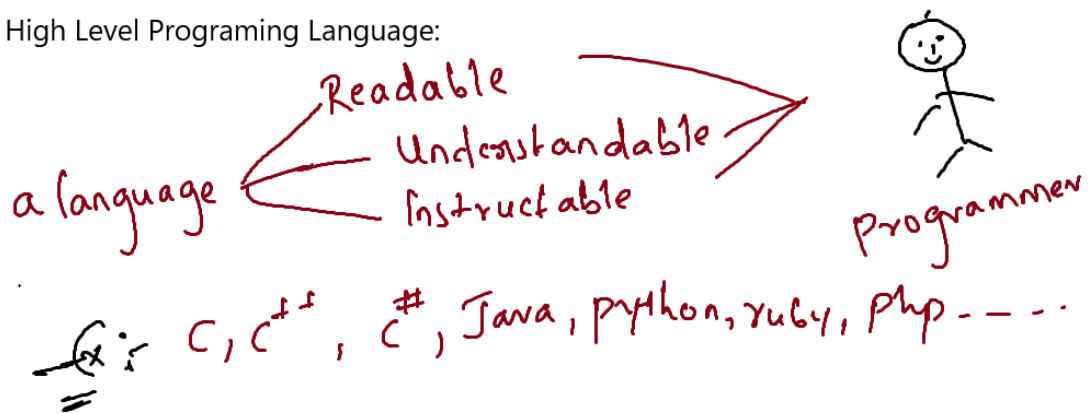
$\begin{array}{r} 2 \overline{) 5} \\ 2 \overline{) 2} \text{---} 1 \\ 1 \text{---} 0 \\ \hline 101 \end{array}$

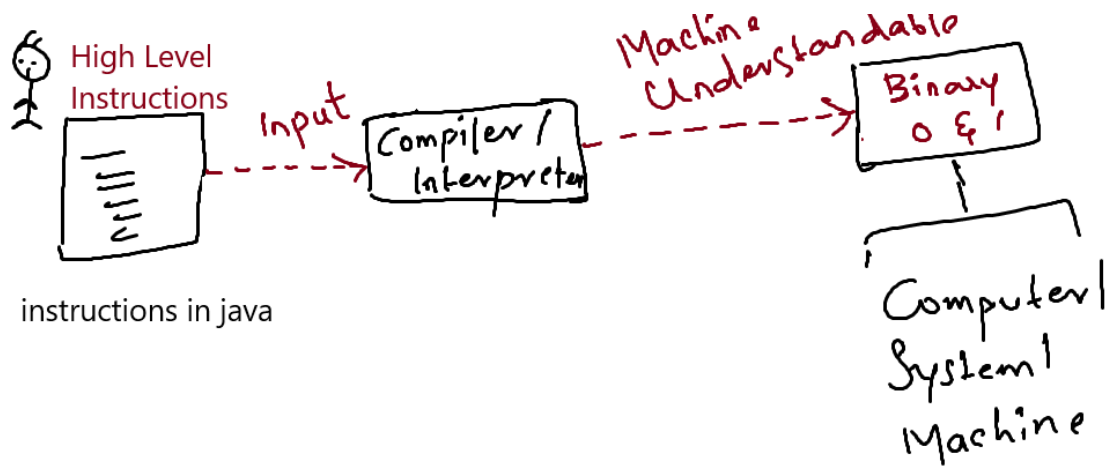


Assembly Level/ Mid Level:

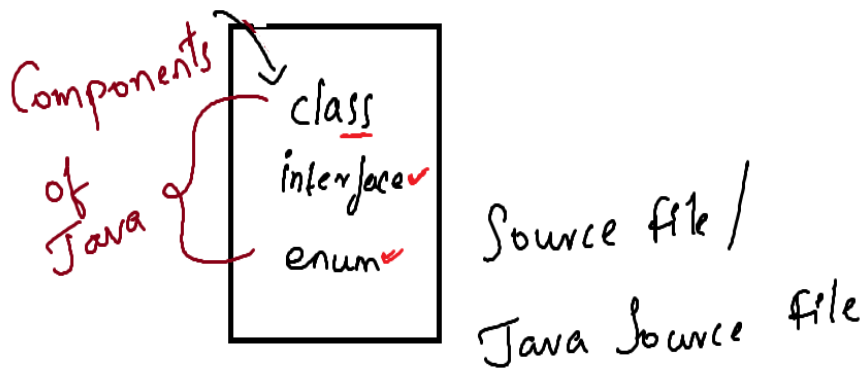
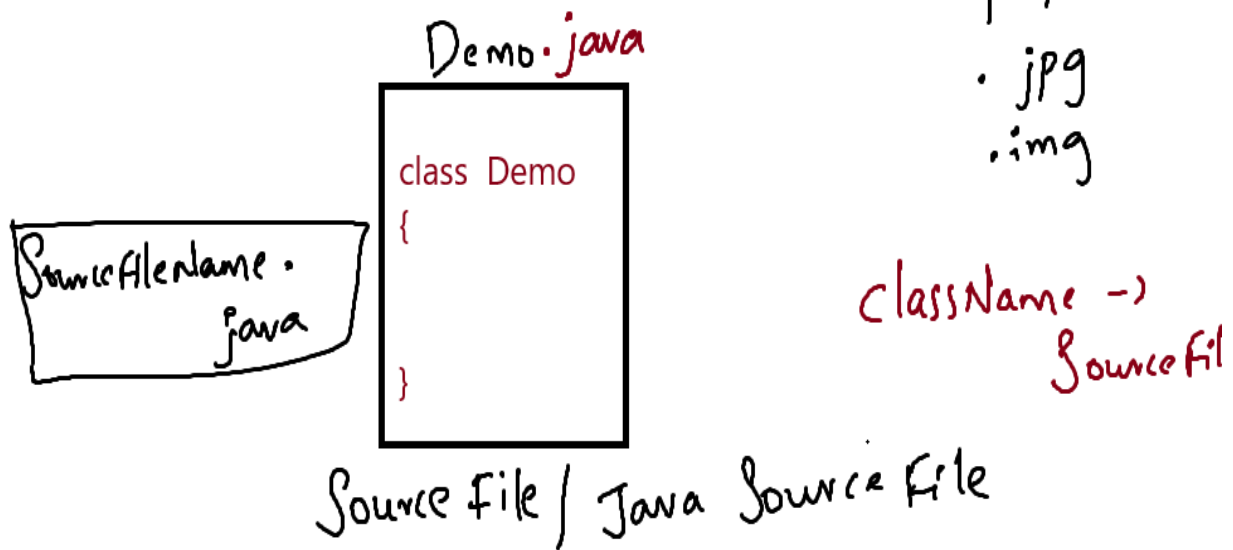


High Level Programming Language:





STRUCTURE OF JAVA PROGRAM:



class Keyword

↓  
pre-defined

→  Compiler

 { run ✓  
          study ✓  
          dingi

→ Lower Case

SYNTAX :

class ClassName

{

} → class Block

→ Hello  
Demo

## 2 types of Instructions

class Demo

{

?

,

}

Declaration Statements

- Variables ✓
- methods ✓
- class / enum ✓

Initializers

- static Initializers ✓
- non-static Initializers ✓
- constructors ✓

Home Page

Instagram

user name

password

Login

forgot password

create new account

Textbox

store

data

data

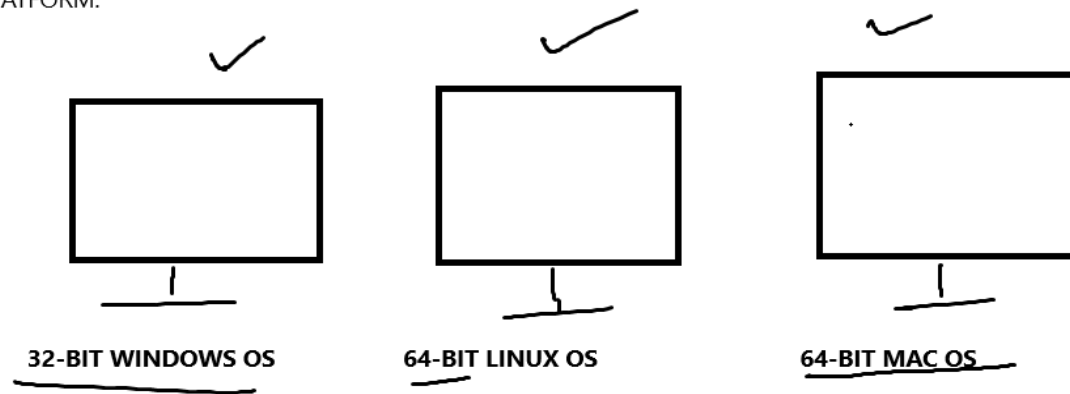
Task/

Action

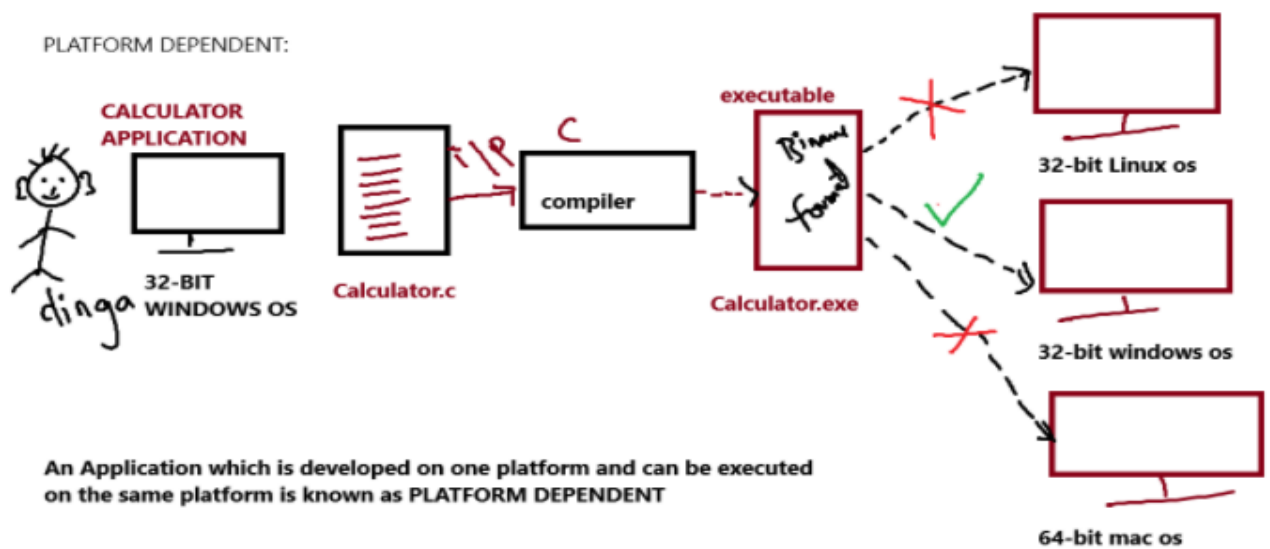
Variables

method

PLATFORM:

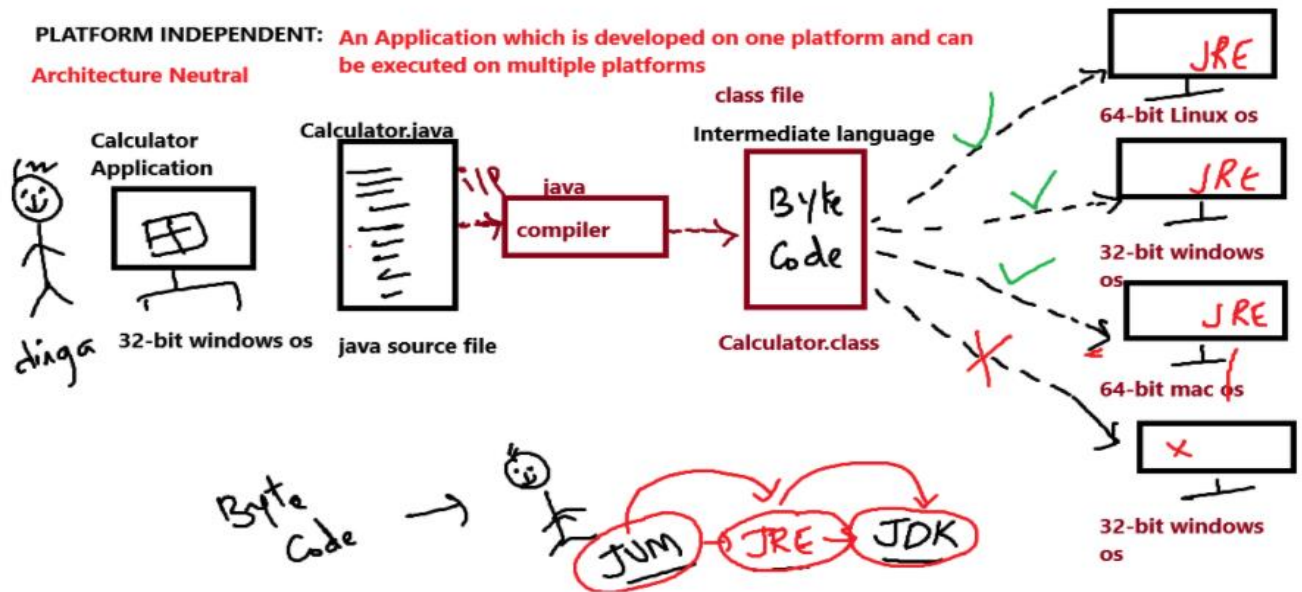


PLATFORM DEPENDENT:



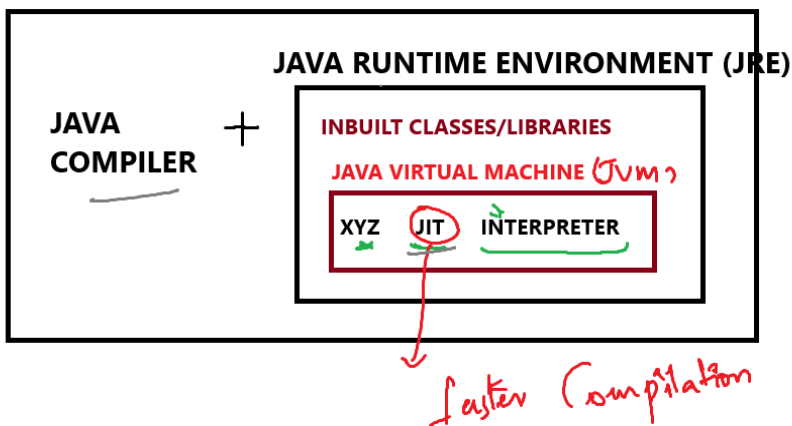
An Application which is developed on one platform and can be executed on the same platform is known as PLATFORM DEPENDENT

**PLATFORM INDEPENDENT:** An Application which is developed on one platform and can be executed on multiple platforms  
**Architecture Neutral**



Activate W...

**JAVA DEVELOPMENT KIT (JDK)**

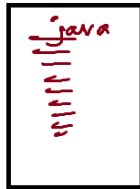


**STEPS TO COMPILE AND EXECUTE A JAVA PROGRAM:**

- ① Create a Source file
- ② Compile the Source file / Compilation
- ③ Execution

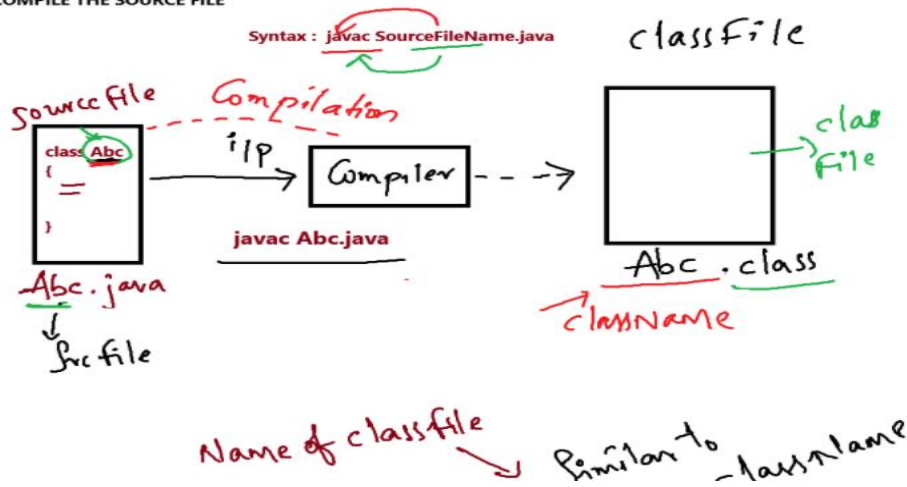
# STEP 1 : CREATE SOURCE FILE / JAVA SOURCE FILE

< Notepad ✓  
 < Notepad++  
 < VS Code  
 < eclipse

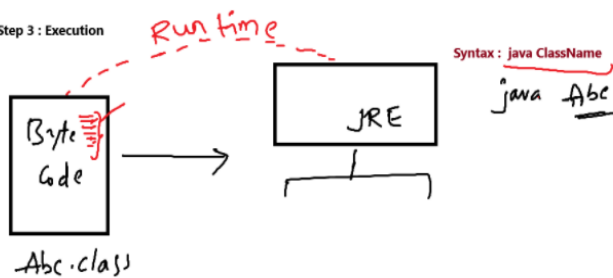


SourceFileName.java

## STEP 2 : COMPILE THE SOURCE FILE



## Step 3 : Execution



We can Compile the Empty Class ✓

But We Cannot Execute the empty class

✗ Error

```

class Abc
{
}
  
```

STATEMENTS TO PRINT : *printing statements in java*

✓1) System.out.print(data);

2) System.out.println(data);

1) System.out.print(data);

✓System.out.print(23);  
✓System.out.print(10);  
✓System.out.print(20);  
✓System.out.print(9);  
✓System.out.print(55);

*same line*

2	3	1	0	2
0	9	5	5	

*same line*

*Console*

System.out.println(data);

✓System.out.println(7);  
✓System.out.println(10);  
✓System.out.println(12);  
✓System.out.println(11);

*print & move to new line*

*Console*

7				
10				
12				
11				

*println*

7  
10  
12  
11

class Demo

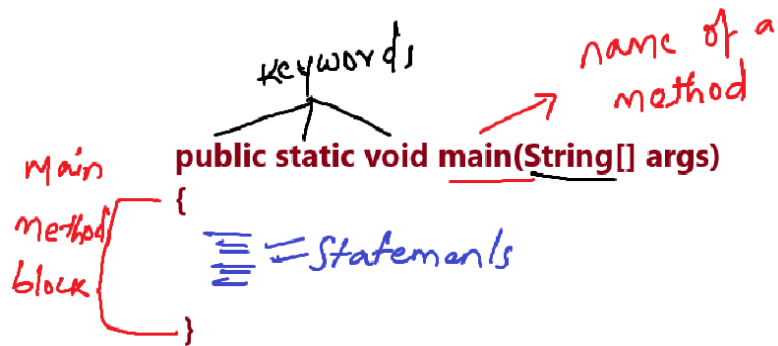
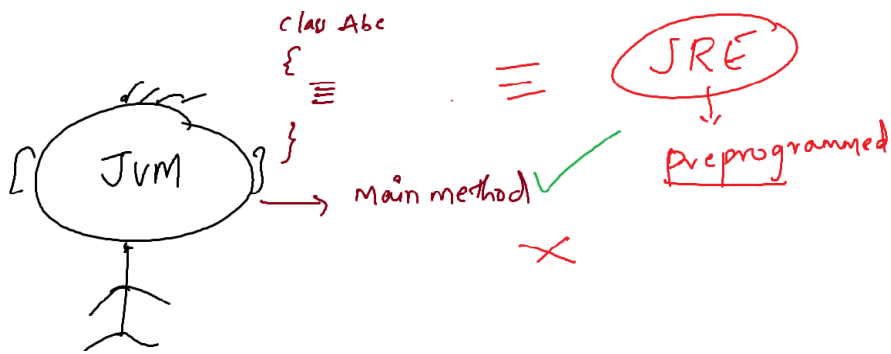
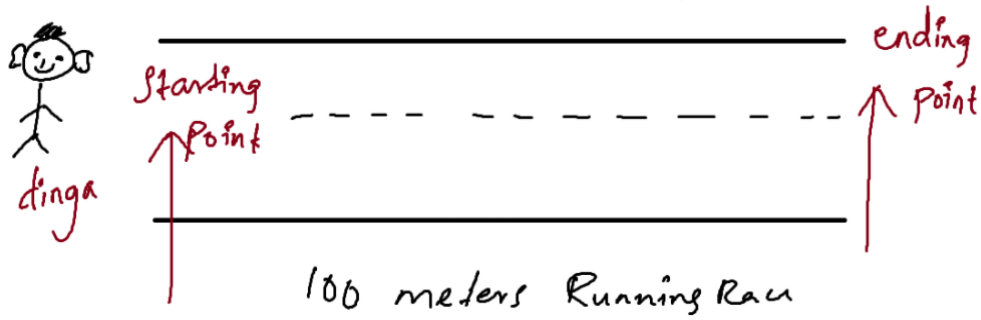
{

System.out.print(10);

}

*Printing Stmt*

*Variable  
method &*



```
class Example
{
    public static void main(String[] args)
    {
        System.out.print(10);
    }
}
```