

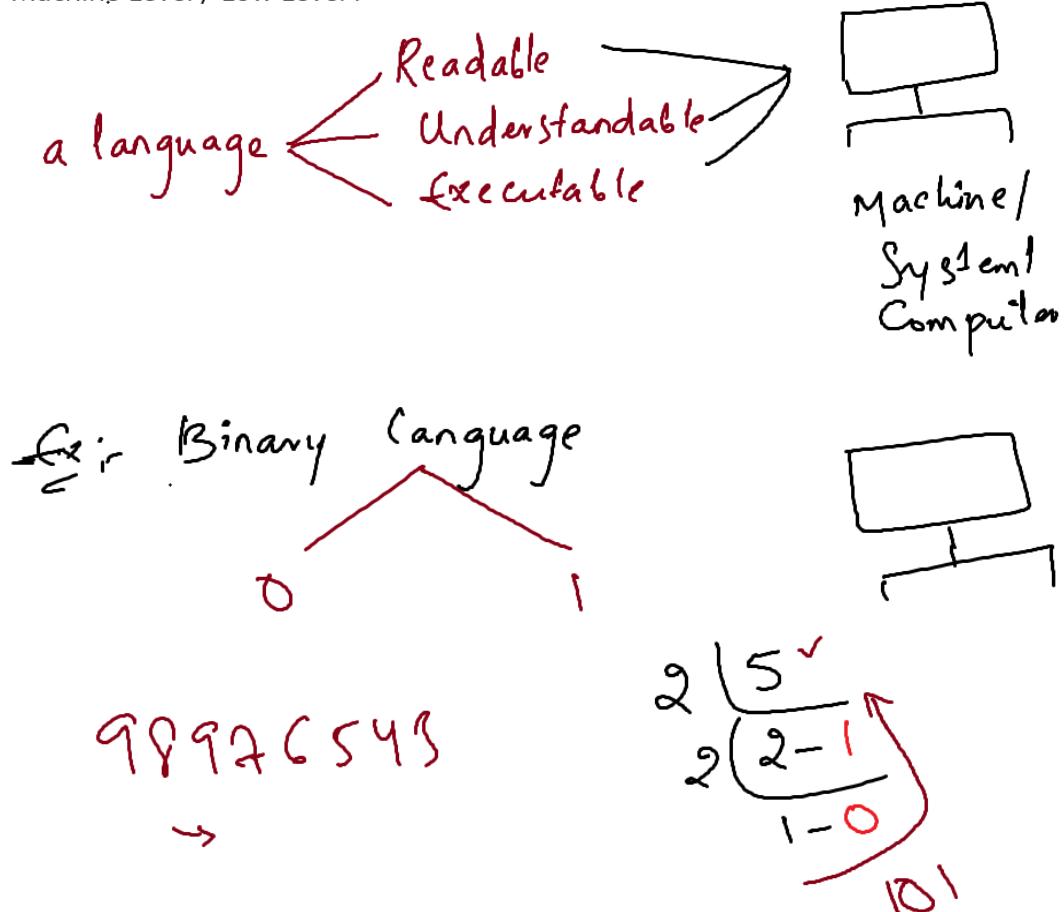
Programming Language:

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

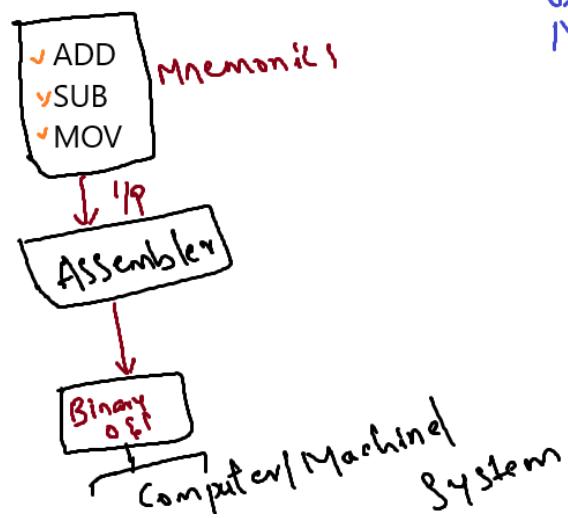
It is Classified into 3 Types:

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

Machine Level / Low Level :



Assembly Level/ Mid Level:



Pre-defined words

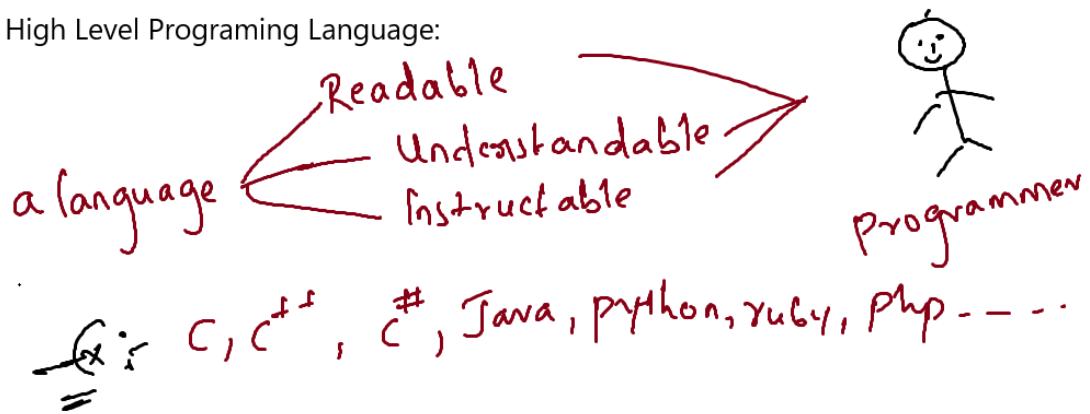
↓
Mnemonics

Flipkart ✓

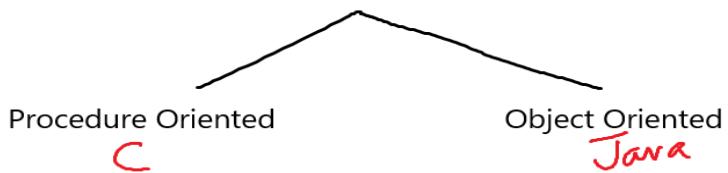
Amazon ✓

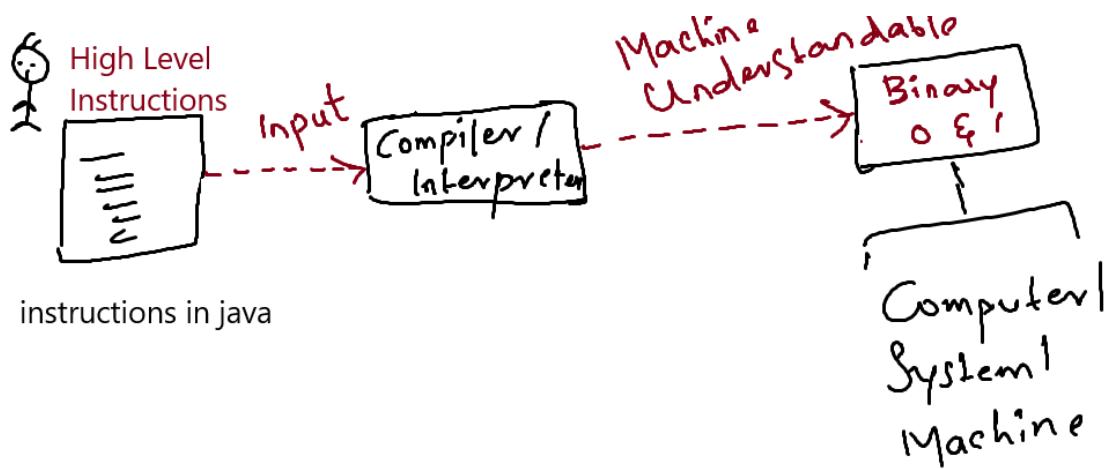
⋮

High Level Programming Language:

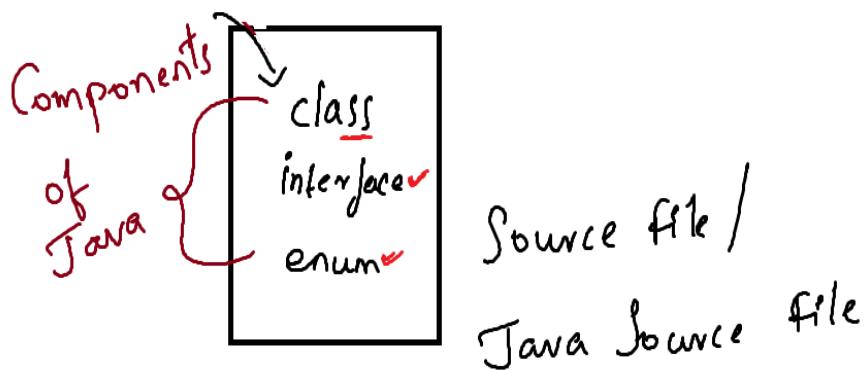
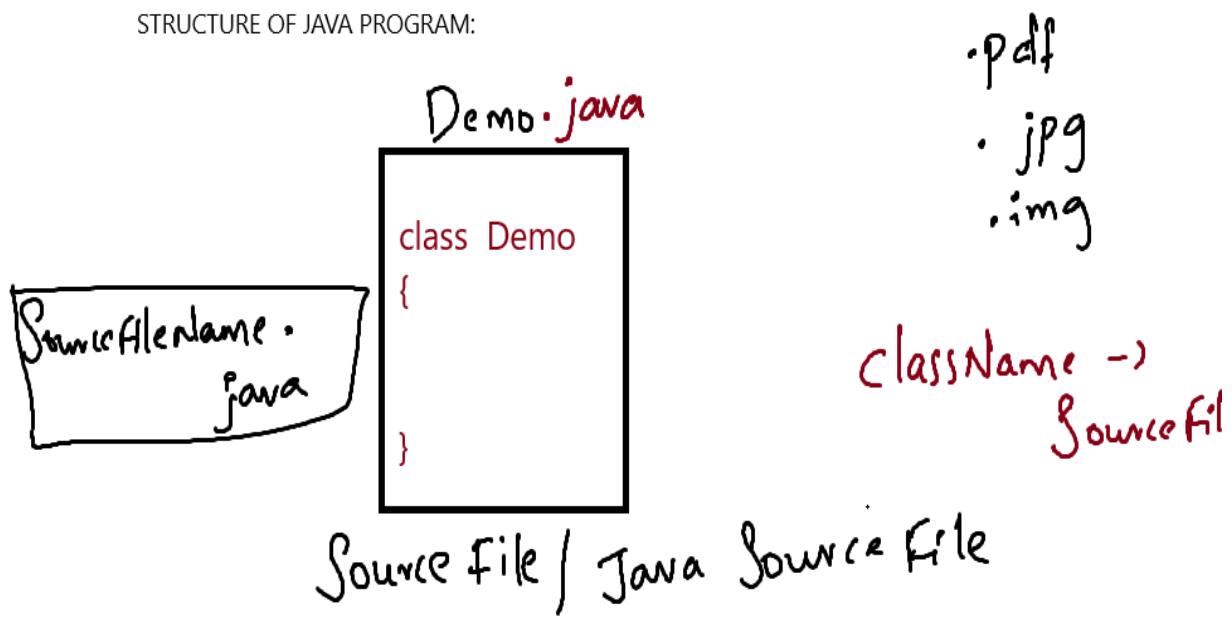


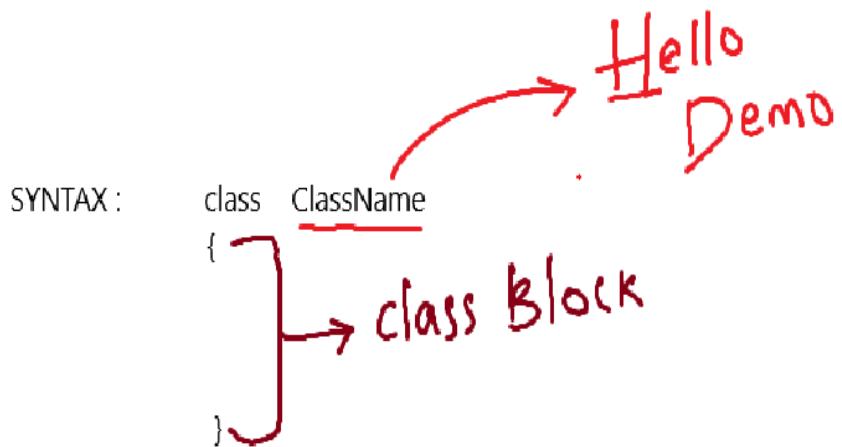
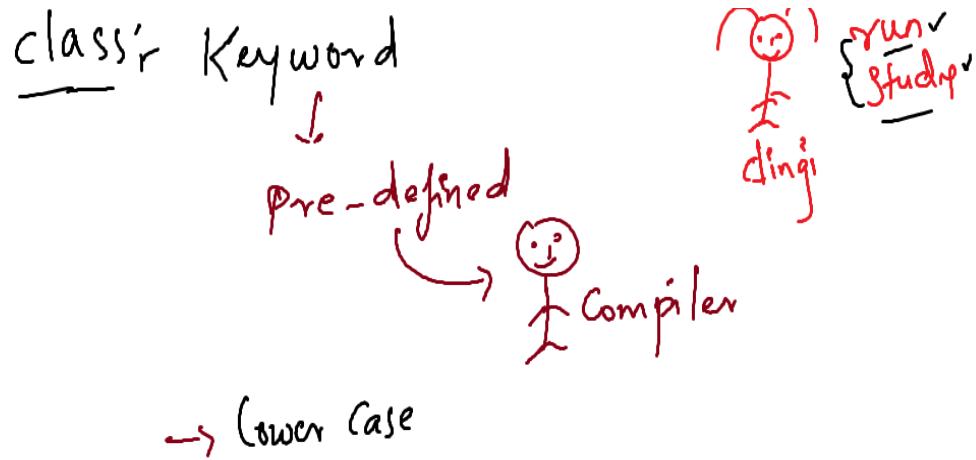
High Level Programming Language





STRUCTURE OF JAVA PROGRAM:





2 types of Instructions

```
class Demo  
{  
    9  
    '  
}  
;
```

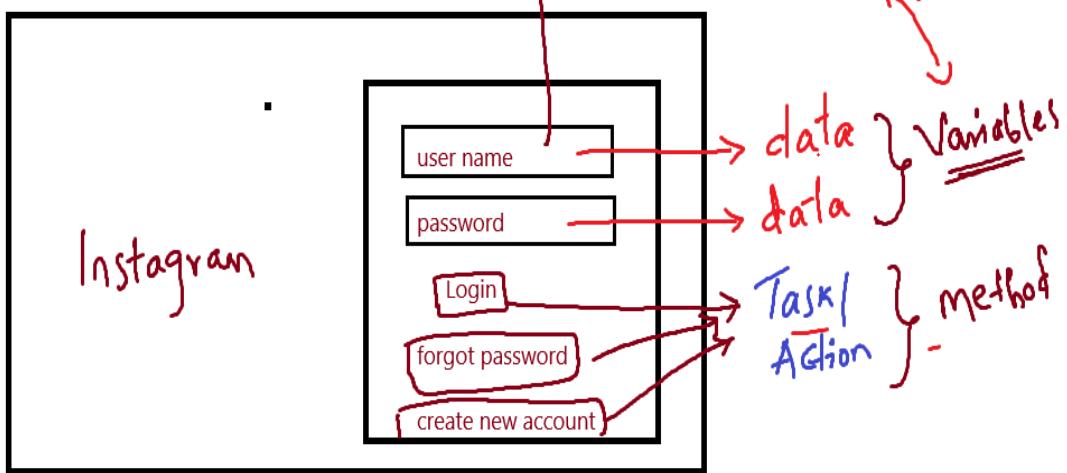
Declaration Statements

Initializers

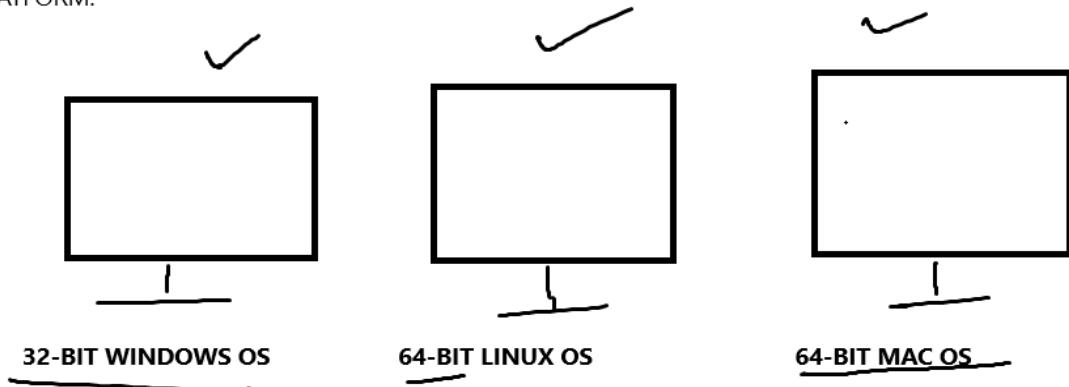
- Variables ✓
- methods ✓
- class / enum ✓

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

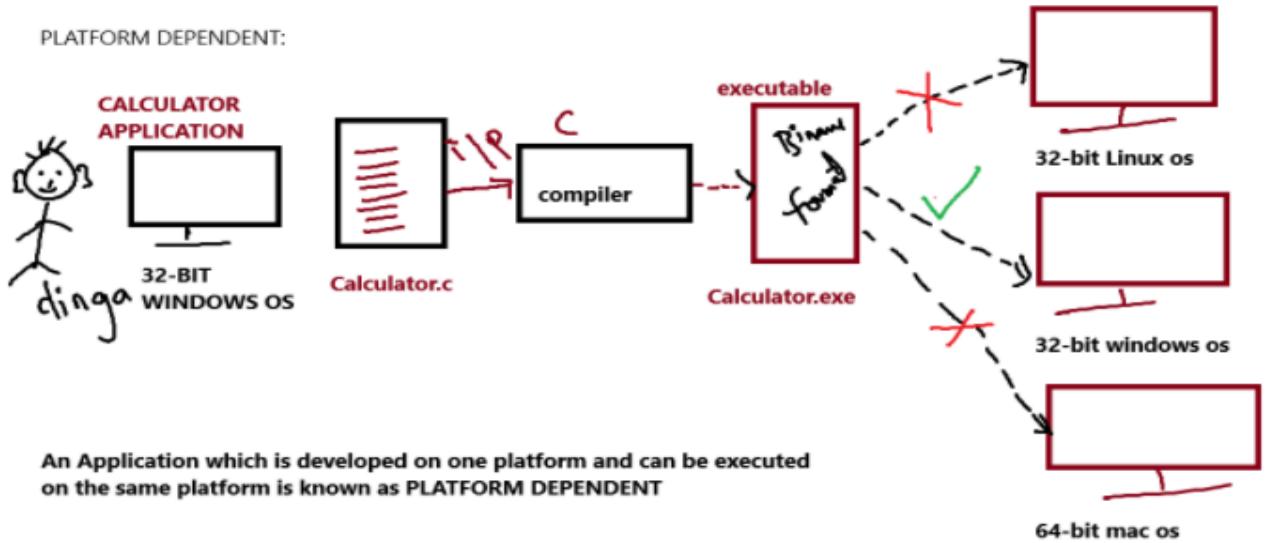
Home Page

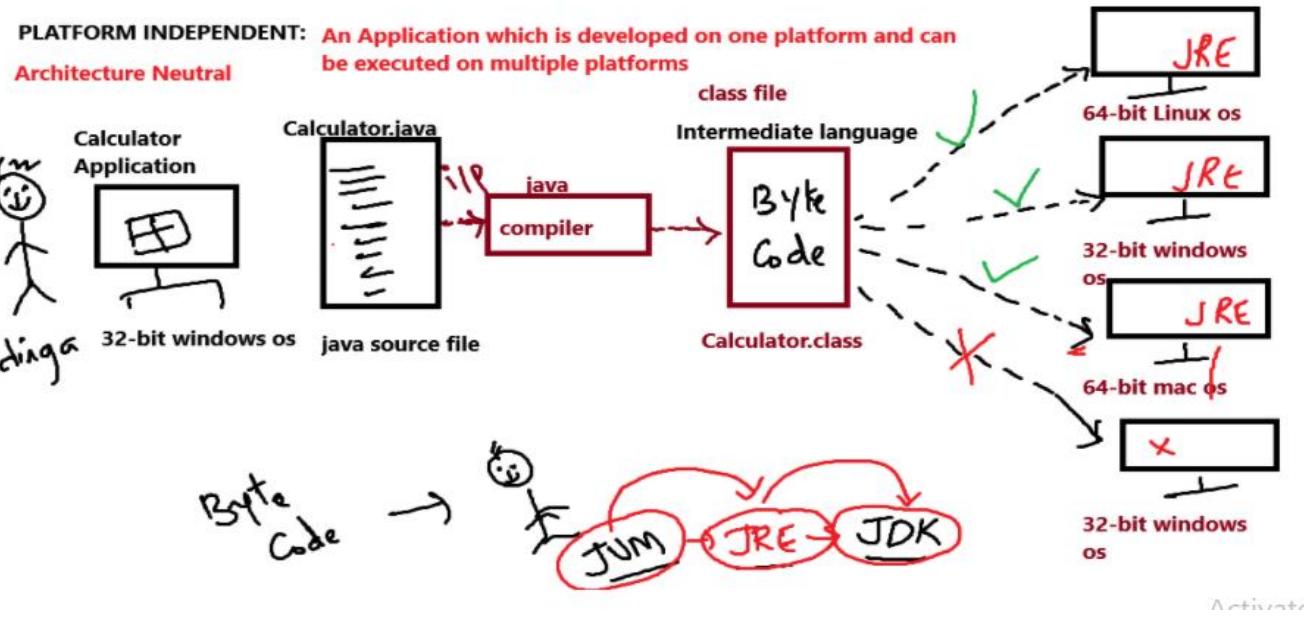


PLATFORM:

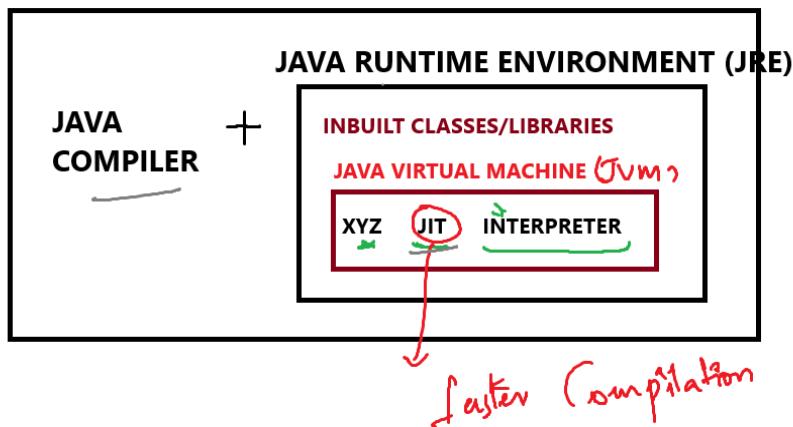


PLATFORM DEPENDENT:





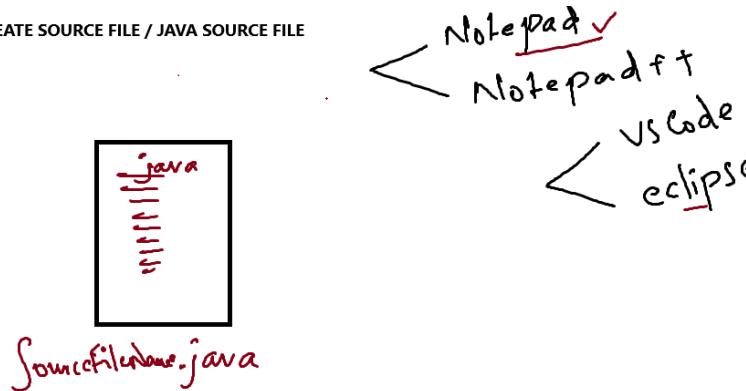
JAVA DEVELOPMENT KIT (JDK)



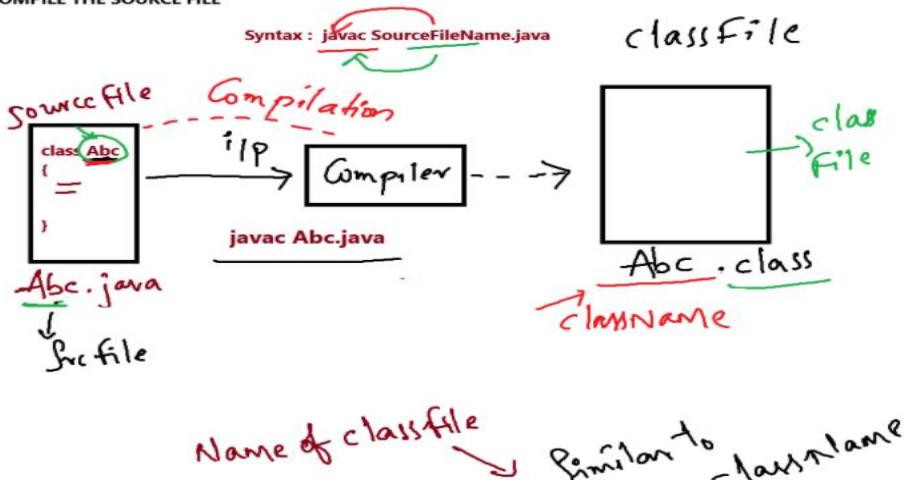
STEPS TO COMPILE AND EXECUTE A JAVA PROGRAM:

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

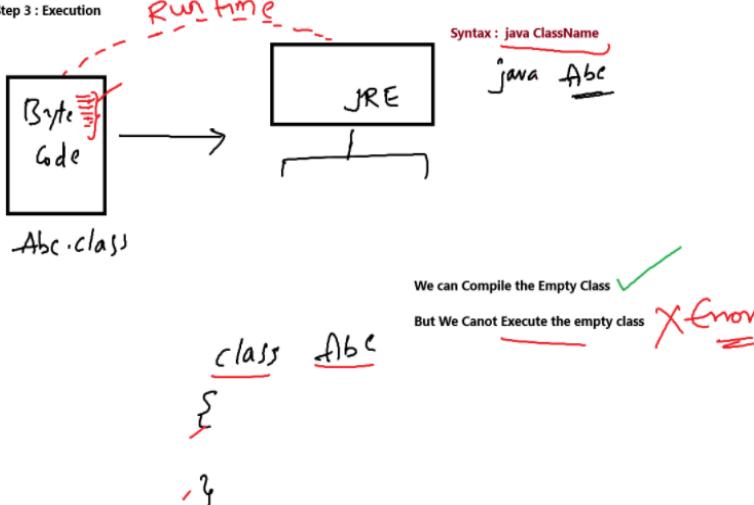
STEP 1 : CREATE SOURCE FILE / JAVA SOURCE FILE



STEP 2 : COMPILE THE SOURCE FILE



Step 3 : Execution



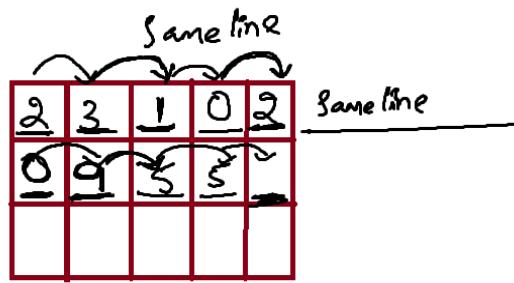
STATEMENTS TO PRINT: printing statements in java

✓ 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);



Console

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

Print & move/new line

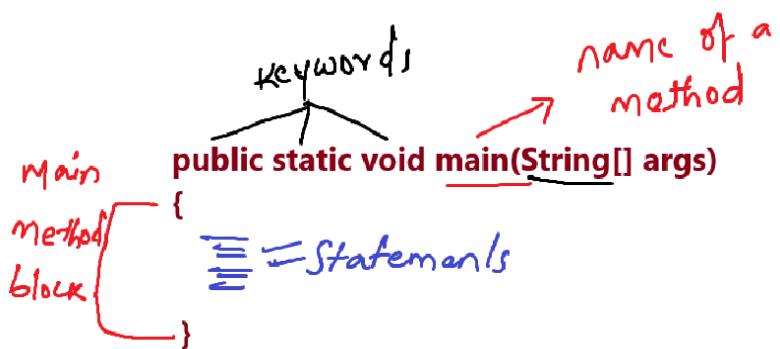
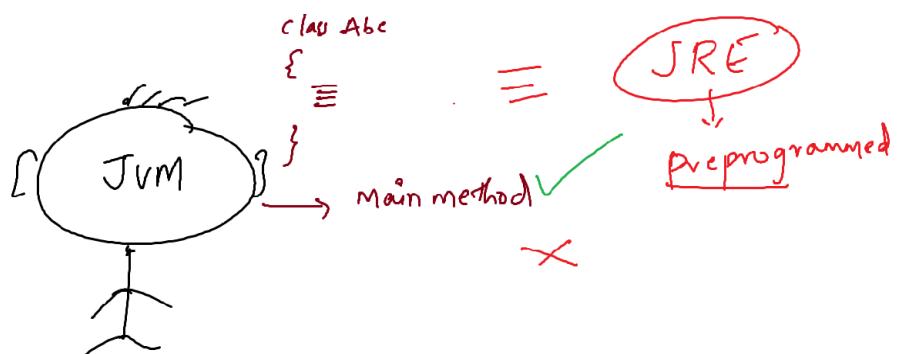
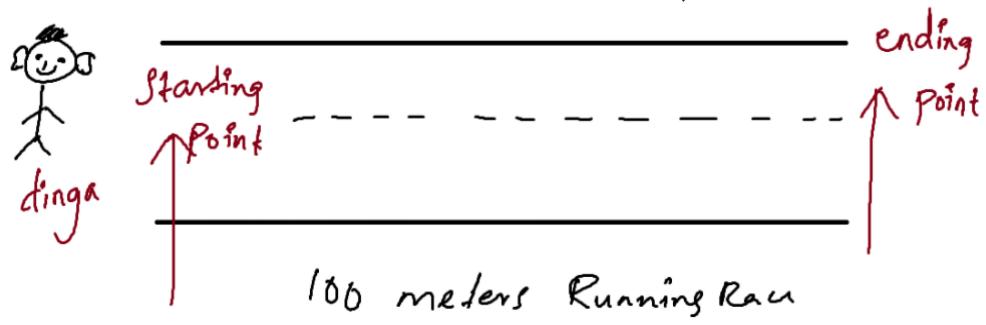


Println



class Demo
{
 System.out.print(10);
}

Printing Stmt
Variables
method f



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