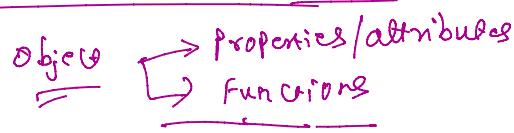


Java :

Object oriented Programming :



Pen :
1) ink → color
2) nib → size
3) cap
4) body
5) grip

type
→ ink
→ get
→ bar

Functions:

- write → point
- Pen fight → highlight
- Style dignity → collection
- coloring → gift
- think → tie hair
- Bookmark → throw
- Beating a stick → whistle
- play → whistle

C++

→ Compiler

Java

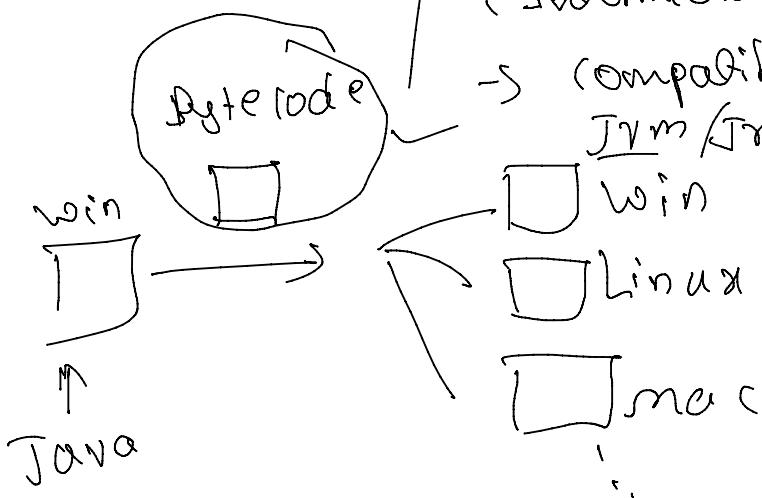
→ Write Once
Execute Anywhere

→ JVM

→ Byte Code
(Intermediate representation)

→ Compatible
JVM/Gre

JVM - Java Virtual Machine

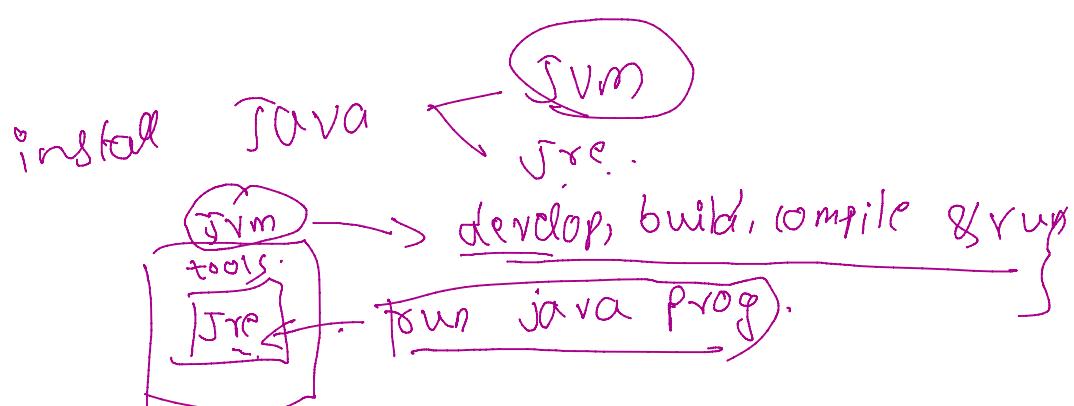
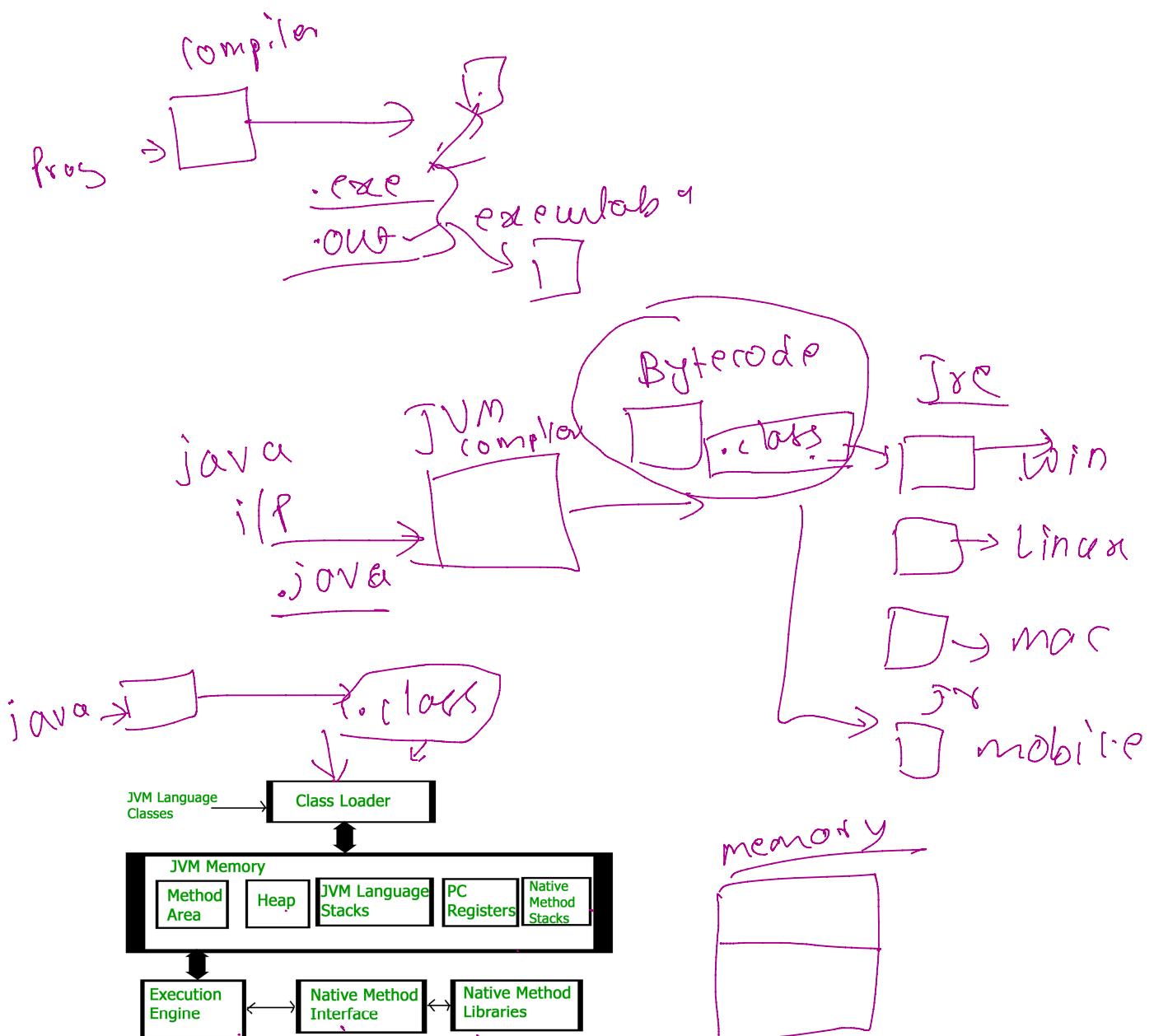


JRE → Java Run Time Environment

Platform Independent Language
Portability

al

ime
ent



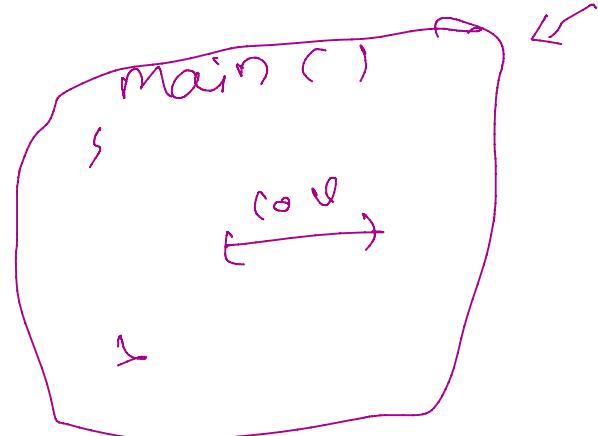
JDK - Java development Toolkit

with

JVM JRE

Kit / Sun JRE,

Java → more OO C++.



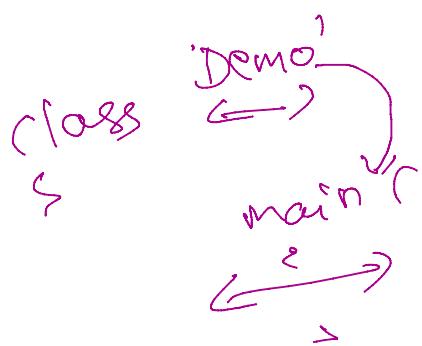
{Hello World}

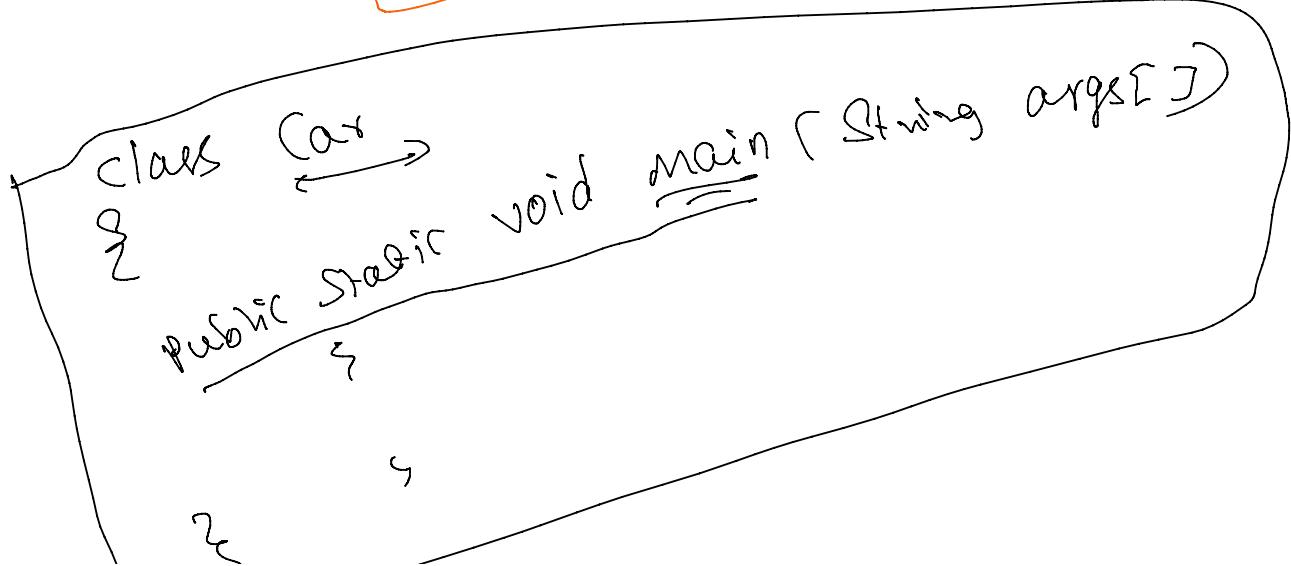
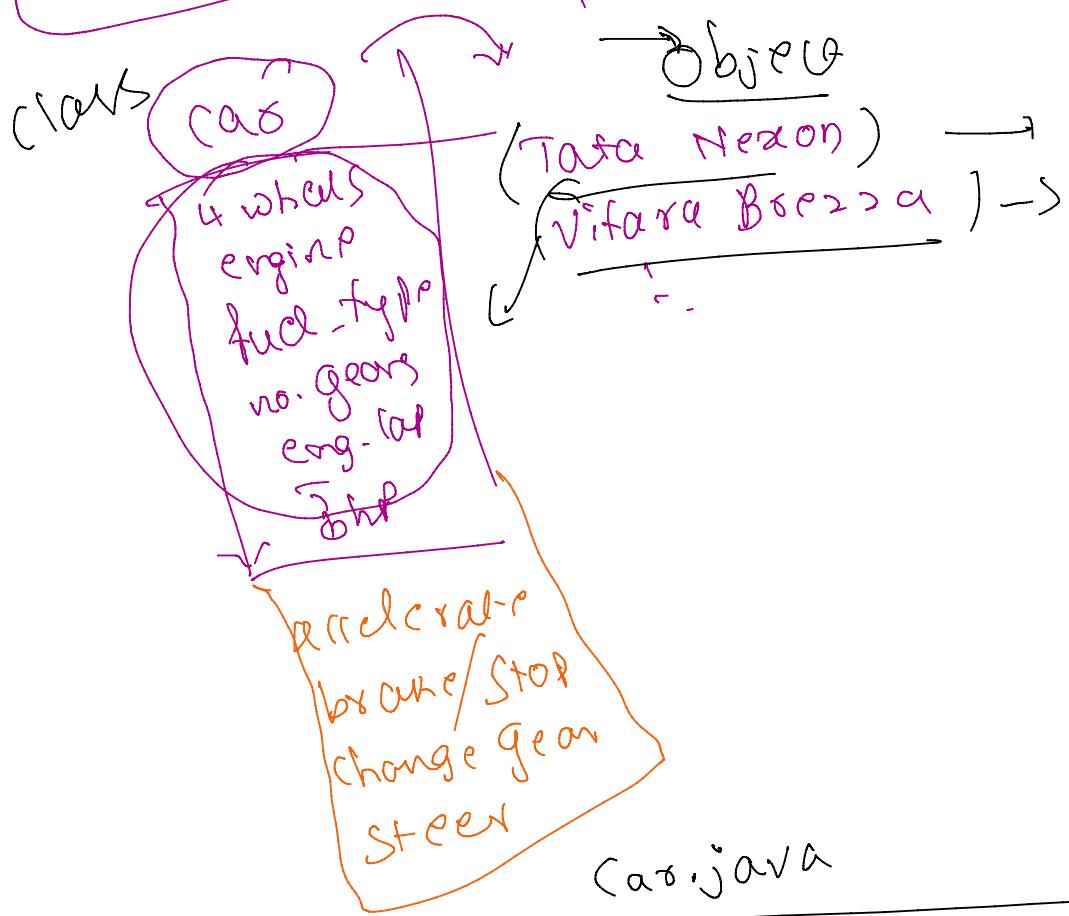
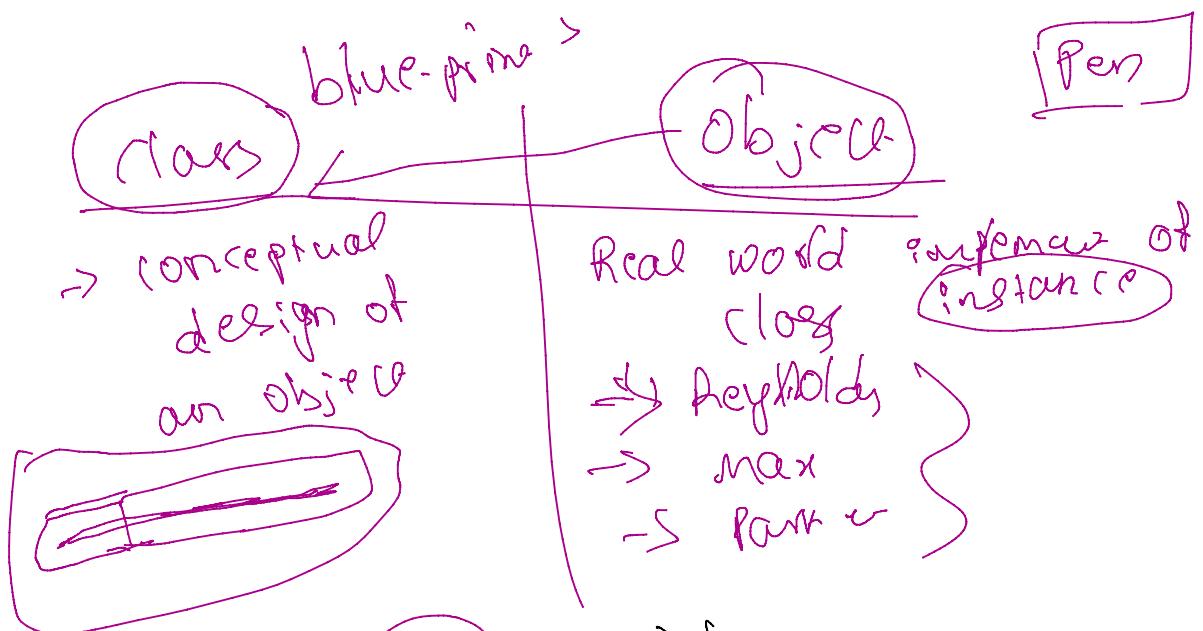
Java → class → main →

Not 100% OO → primitive data types

→ int, char, boolean,
double, byte, short, long,
float

Demo → JAVA





Naming → Camel Case → every new word starts with uppercase

(Class name → Starts with Uppercase, camel)
Terry Harris

object, variable, method (function) → start with small letter, camel case
→ terryHarrisEmployee.

System.out.println

class Demo

{
public static void main (String [])

System.out.println ("Hello. This
Java prog")

}

}

compile →

javac

Demo.java

Execute →

java

Demo

re

arg

Demo.java

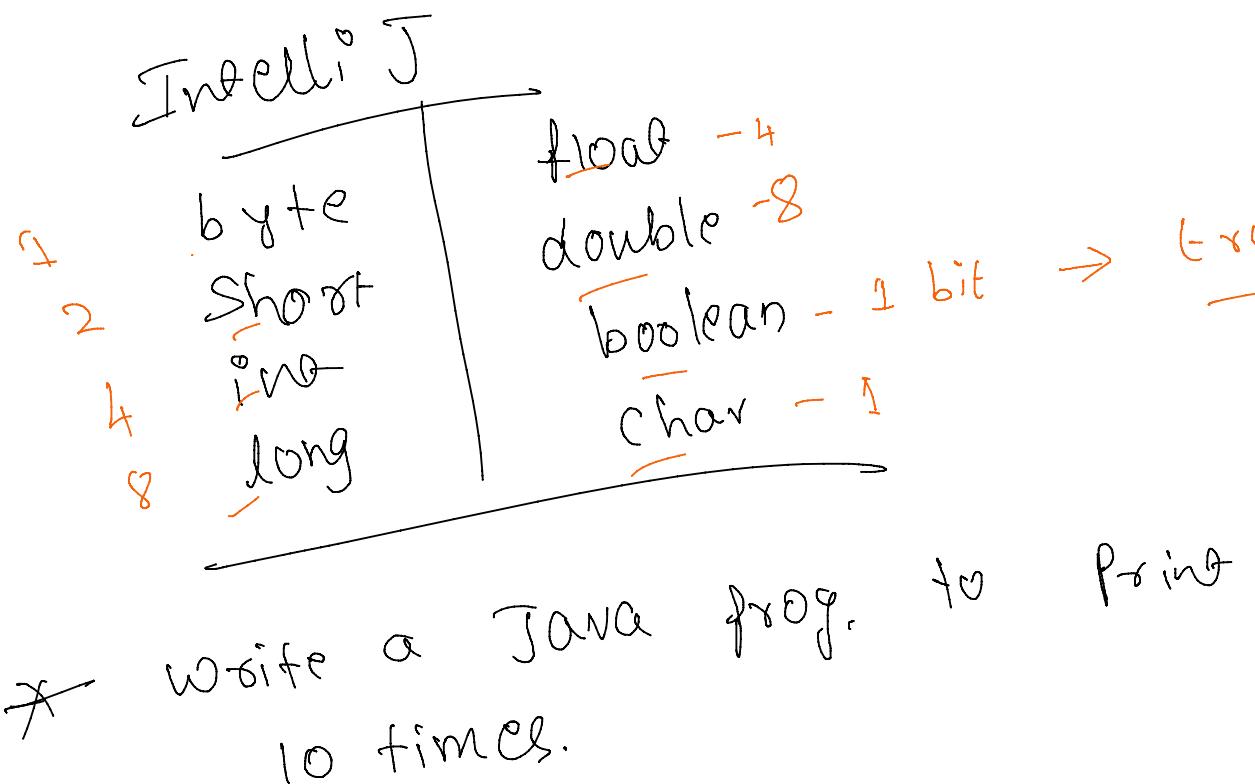
args)

is my first

"");



Execute - ... -



sout → System.out.println

psvm →

SOP("value is" + i)

"+" ←

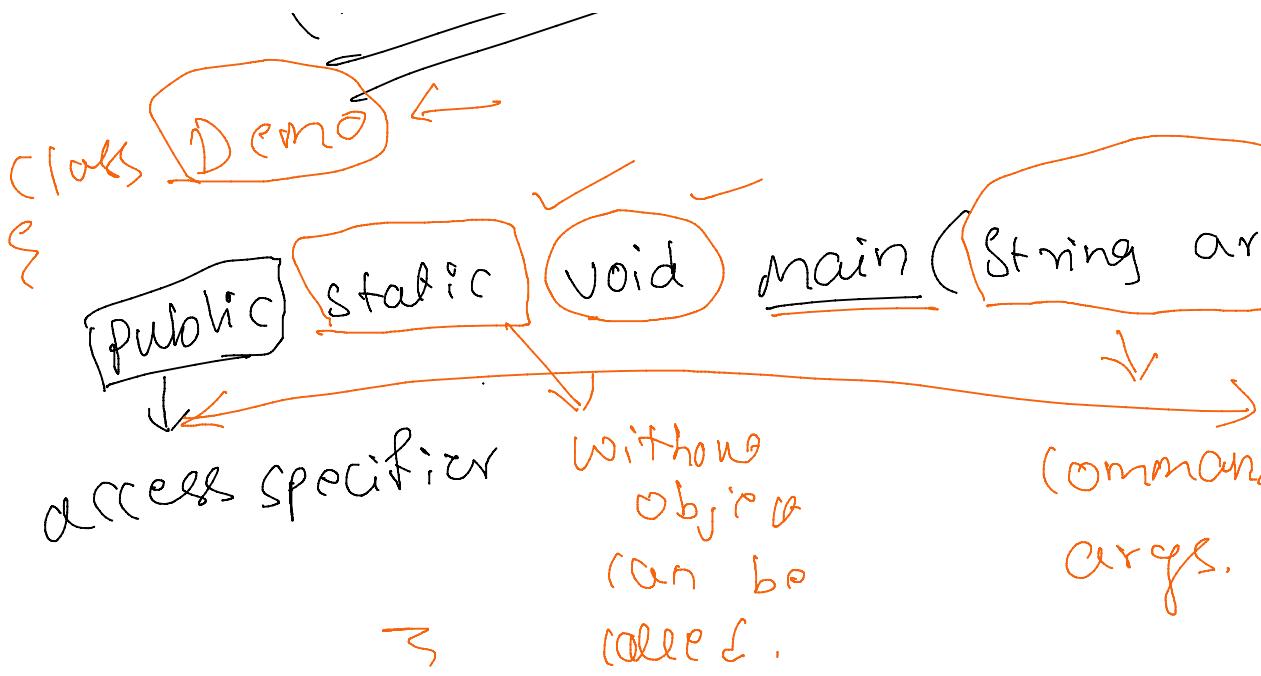
(float) 2.7e56 ✓

✓

true/false.

Your Name

Concavidad



>

Scanner

Demo d = new Demo(); ✓

import

→ `#include`

Scanner Scan = new Scanner (System.in)

next XXXXXX

Int
Float
Byte

nextIn

$q \in [\Sigma]$

d Line

—

↗

$\langle n \rangle$

$\theta(\cdot)$

String

nextLine
↓

* Read & display diff. data type

* Read user name & number.
display the name 'n' times.

if ()

if ()

else

else-if ..

switch

case

:

for ✓

while ✓

do-while

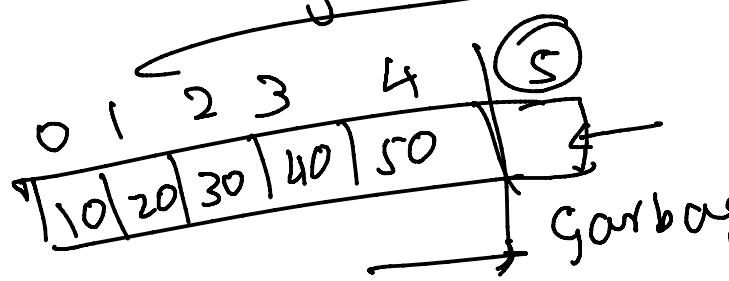
for each

Arrays in Java:

int [] array: new int []

array.length :-

array



types in Java.

✓

↳ OOP

[o] :

gr

Exception

* Read 5 numbers from user
Squares of them in the array
Print -

array

for (int i=0; i < array.length;
 }
 array[i])

for (int val : array)
 {
 print val;

* $\frac{n}{1} \quad 1 \quad \dots$
* $\frac{2}{2} \quad 2 \quad 3$

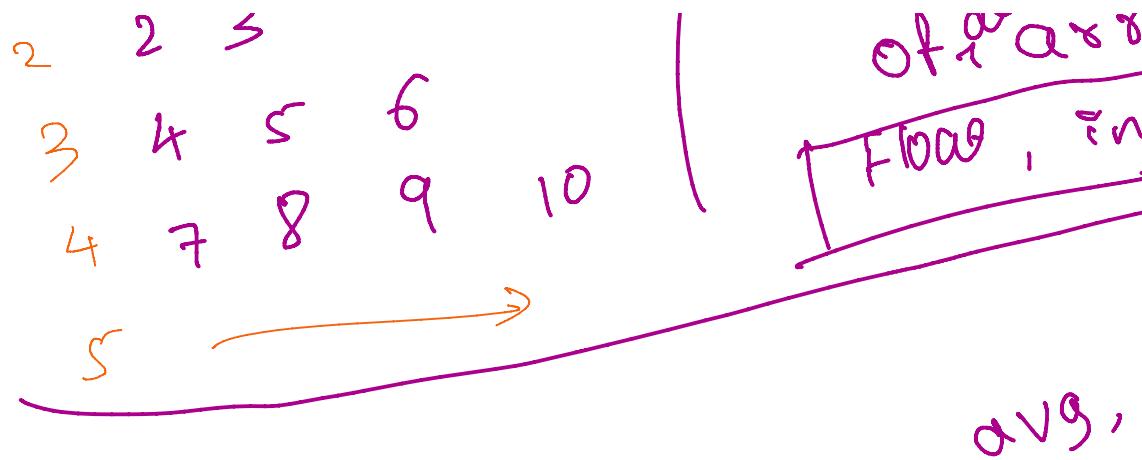
* Find the
elements of array

& Store
ray &

; i++)

10
20
30
40
50

middle
↳ average
ray elements.



int Carray = { 10, 20, 30, }

float CfArray = { 2.3f, 5.1f }

- * Print the middle element & average all the elements of array (int & float arrays).

my array
[] >

mid element

for } ; }
if } -

range of
for both