Module 1.

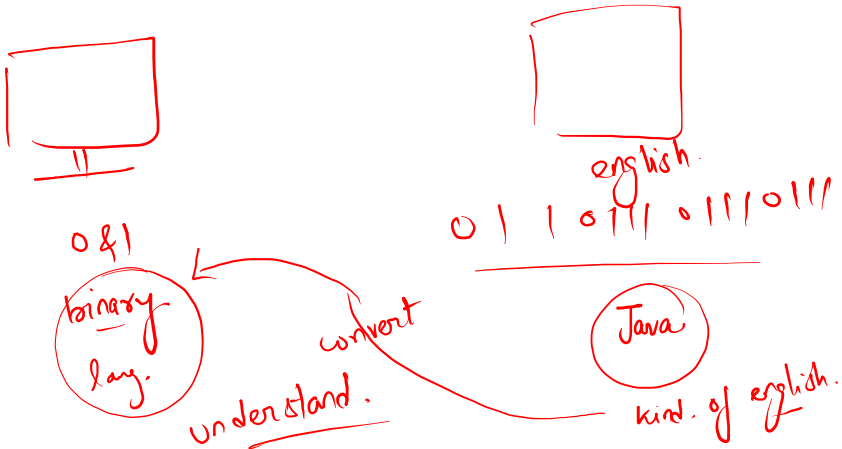
↳ DSA + Java.
Help.

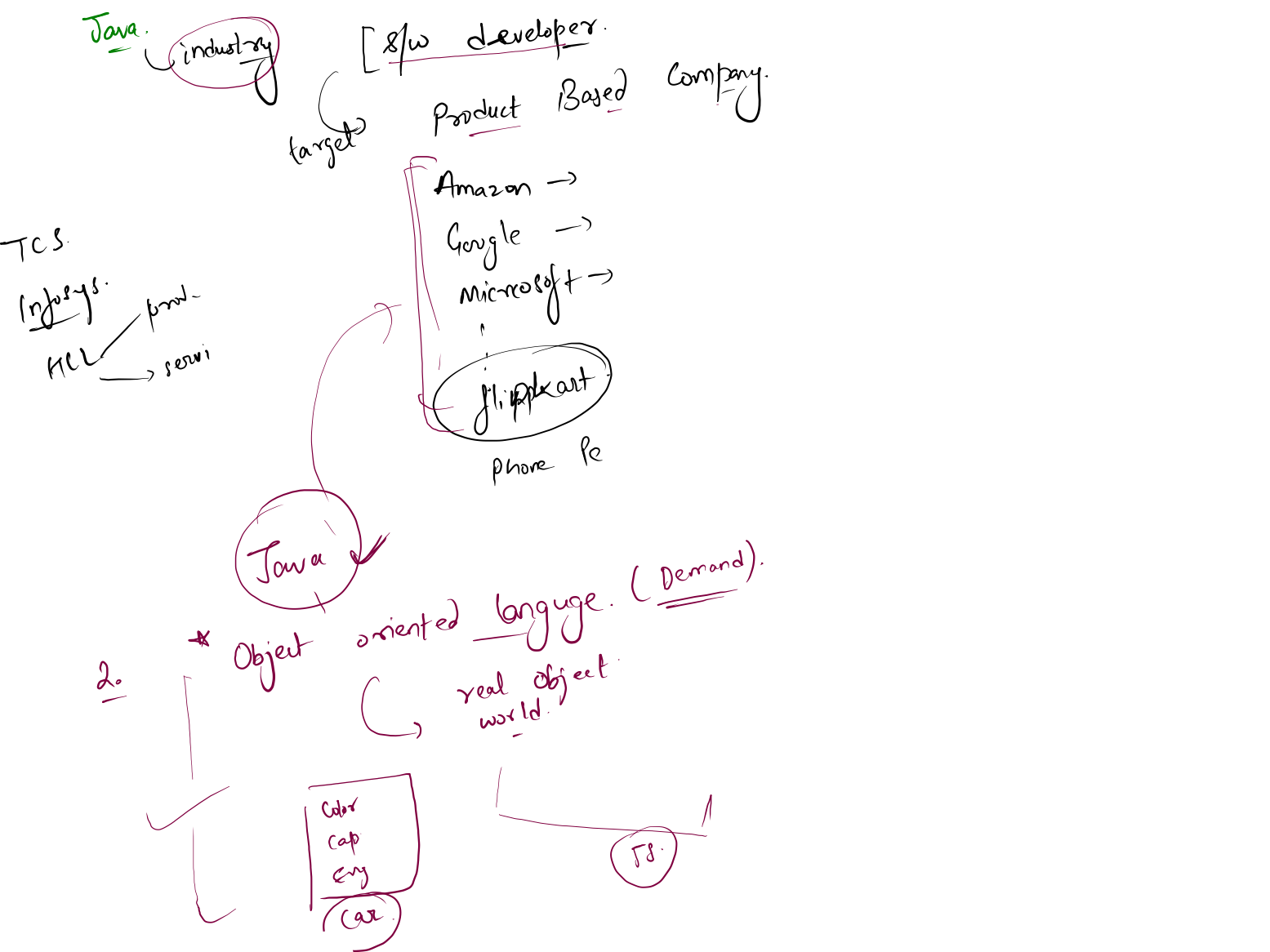
Programming ?

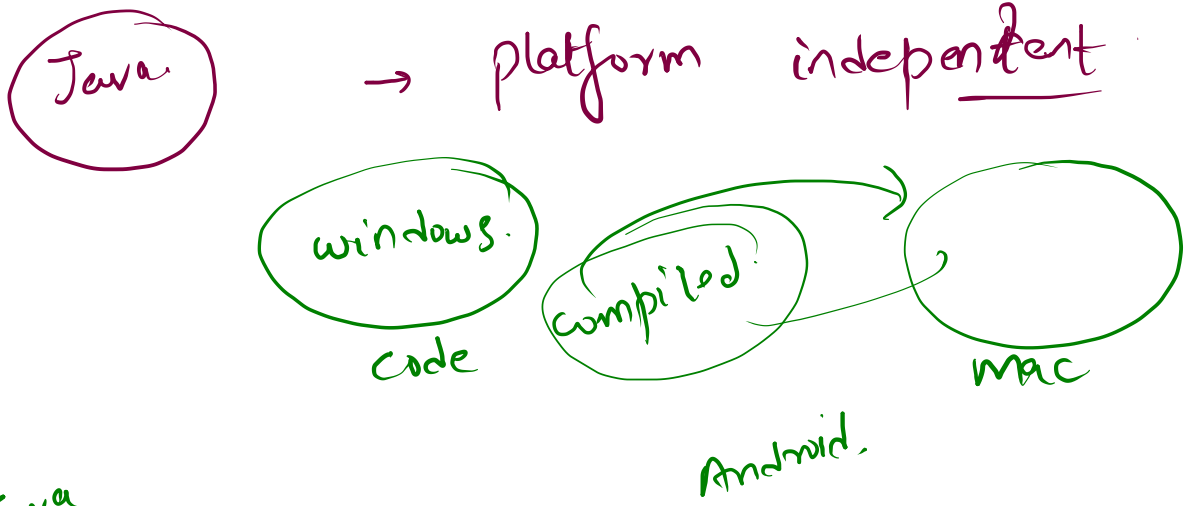
↳ communicate

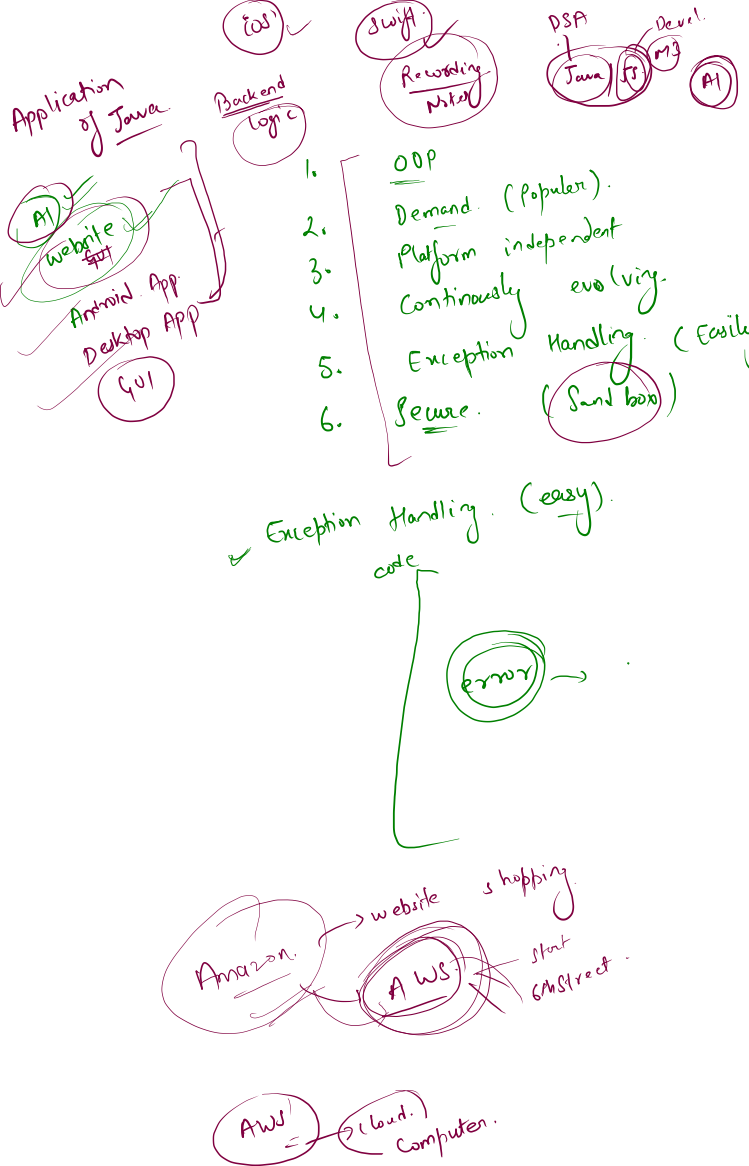
User ⟷ machine

Programming Language. } C++, Java, Python, JS




Java.
industry
[s/w developer.
target
Product Based Company.
Amazon →
Google →
Microsoft →
Flipkart
phone Pe
TCS.
Infosys.
HCL
Java
Object oriented language. (Demand).
2.
real object world.
Color
cap
Car
JS.


Java
→ platform independent
windows.
code
compiled.
Mac
Android.
Java
byte
compiled.



iOS

Swift

Recording Notes

DSA

Devel.

Java

JS

MS

AI

Application of Java

Backend Logic

AI

website

Android App

Desktop App

GUI

1. ODP
2. Demand (Popular).
3. Platform independent
4. Continously evolving.
5. Exception Handling (Easily)
6. Secure. (Sand box)

Exception Handling (easy).

code

error →

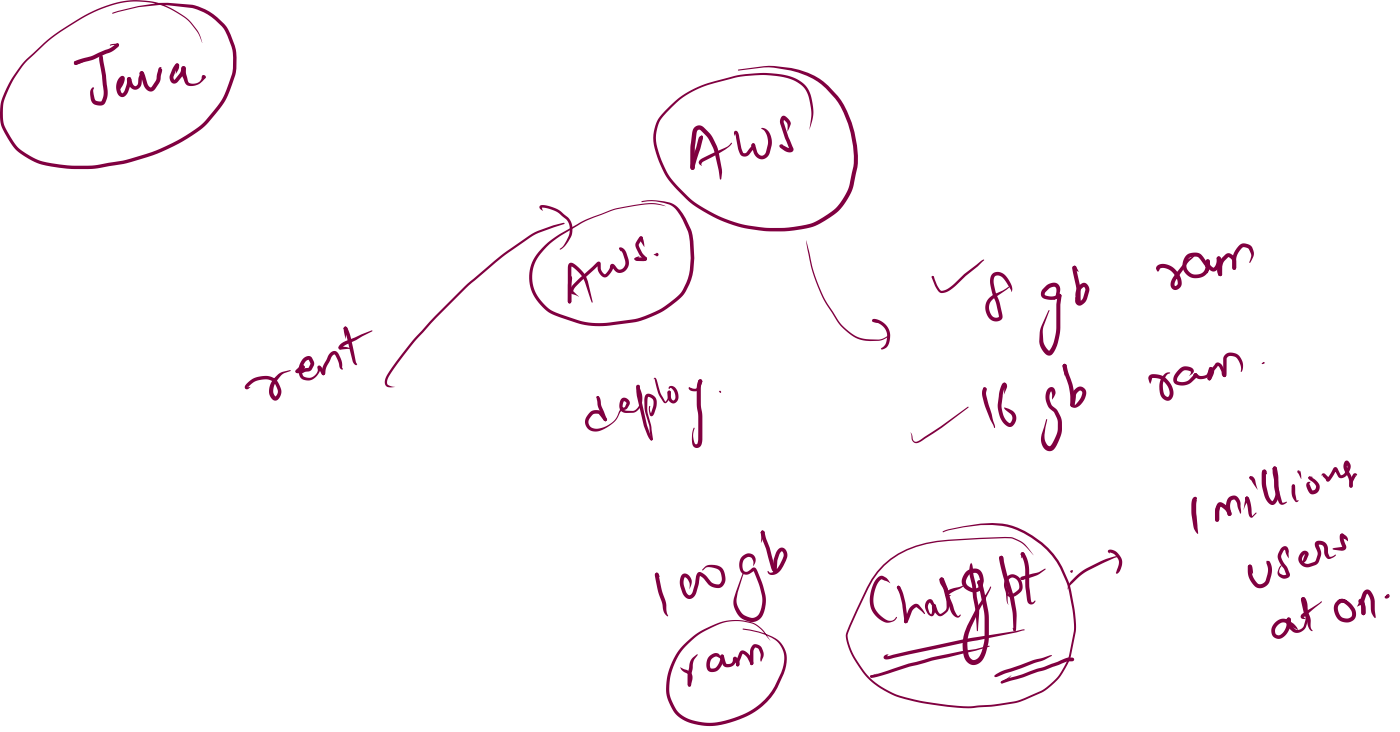
Amazon → website shopping

AWS

start

6th Street

AWS = cloud. Computer.


Java
AWS
Aws.
rent
deploy
8 gb ram
16 gb ram
100 gb
ram
ChatGpt
1 millions
users
at on.

Java ✓

DSA with Java.

Data Structure.

Data → raw info.

Aman, Farookh, Vishu, Asim, Abhinav,

Data Structure.

↳ to store data efficiently (structure)

you can get / retrieve easily when needed.

Algorithms.

procedure.

set of instructions.

Task: Add 2 numbers

Steps:

1. Take input from user.
2. A + B
3. Print them.

Pro-Tip.

Day - 1

↳ Pair programming.

DSA

Solve problem

Java.

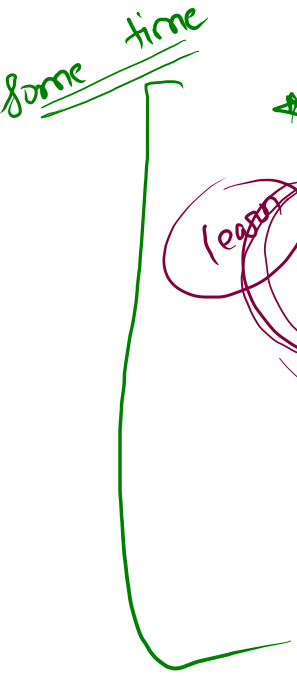
↳ fundamental.

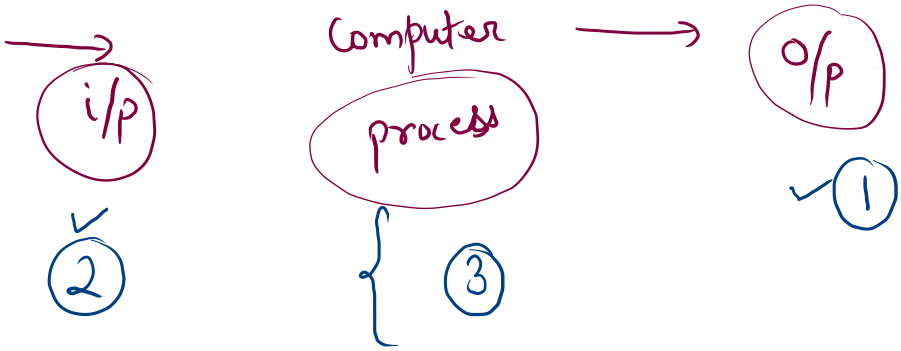
some time

* boiler plate. { pre written (useful code)

learn

* fundamental of Java / our learning.





Syntax.

Syntax.

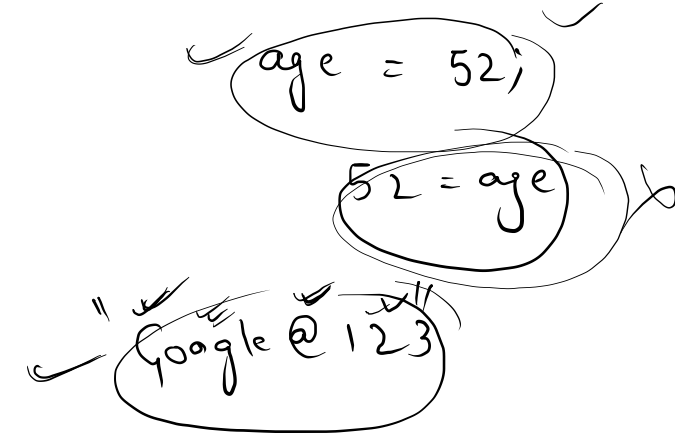
set of rules

protocol to write code.

way of writing code

structure of writing code

particular manner of writing code.



Boiler plate vs Syntax

fill in the blanks.

My name is Aman

logic.

grammer.

boy / girl

also follows.

He is a boy.

Output

print something.

main method.

↳ entry point of our program

print

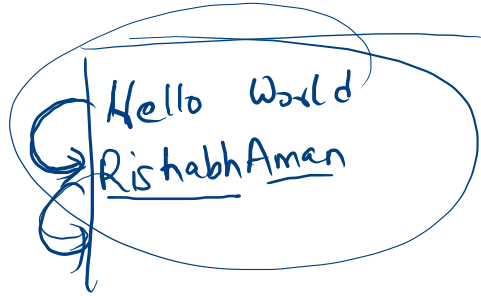
same line

println

different line.

```java
public class Main
{
    public static void main(String[] args) {
        System.out.println("Hello World");
        System.out.print("Rishabh");
        System.out.println("Aman");


    }
}
```



Revision.

agenda :→ DSA + Java.

M1

Programming & Programming Language.

DSA

Data Structure & Algorithm.

↳ boiler plate

↳ i/p → process → o/p.

↳ o/p. print println } System.out.print.

↳ Syntax.