

① what is programming & what is programming language

→ ② features of Java

③ Data Structure & Algorithms

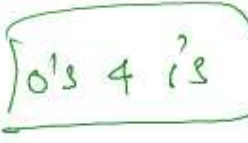
④ Questions for today (basic questions):

1 2 3

* Java → ① object oriented language

② Platform independent



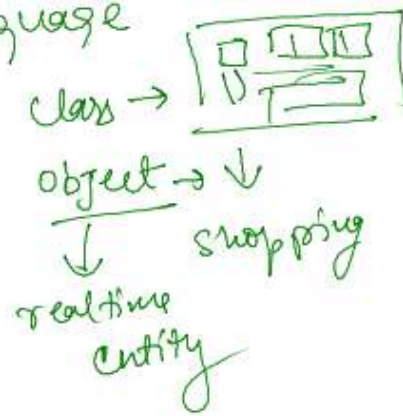
System.out.println("Kartik") ⇒ 

③ Multithreading

↓
a small program

④ Exception Handling
try &



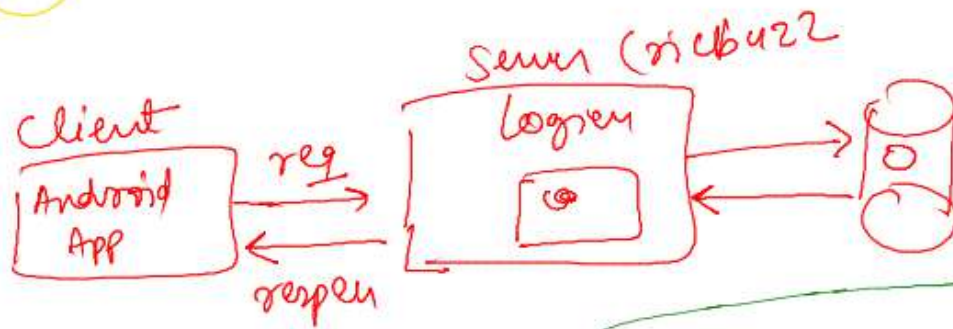



Class Bird {
color;
weight;
fly();
eat();

object
↑
eagle {
color = brown;
weight = 1kg;
fly() = true;
eat() = true;
}

Java used in

- ① web Applications → downloaded on desktop (Spring, Springboot)
- ② Browser Applications → Backend
- ③ Android Apps → frontend & L3, L4, L5
- ④ iOS Apps →

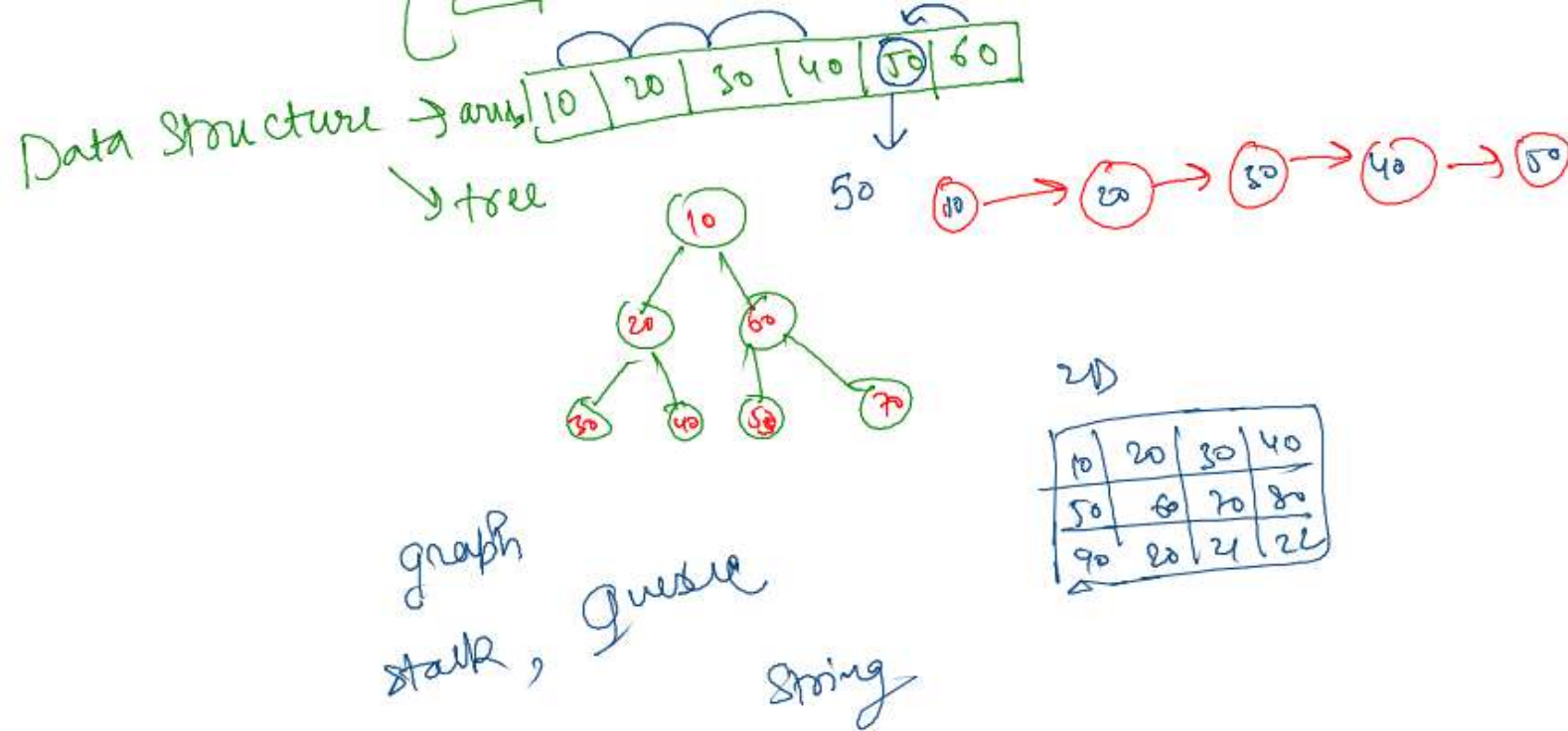


netmeds.com

Data → Raw info.

orders ↓

id	order id	status	action
1	1002	success	failed
2	1003	failed	failed
3	1001	success	success



Data Structure

Algorithm

- ① Array
- ② String
- ③ linked list
- ④ Graph
- ⑤ 2D Array
- ⑥ Stack
- ⑦ Queue
- ⑧ heap
- ⑨ trie
- ⑩ tree

- Round Robin
- two pointer approach
- BFS / DFS
- DP / Greedy Algo
- Searching / sorting
- Kadane's

Java Boiler plate

→ import java.util.*; Capital letter

public class Solution {

public static void main (String [args]) {

int a = 10;

}

javac Test.java

↓
-class

Java Test.java

↓
arguments

Javac Test.java

Test.class

Java Test.java

JVM
↳ main
↓

→ System.out.print(); → to print data in single line

→ System.out.println();
↓
to print data in different lines.

