Today's agenda

- Intro
- output
- operators
- Data types

→ After class

2-5 → foundation → Scratch to easy-medium → frontend React, backend node js

Recursion, Graph, DP

3-5 → Levelup → medium hard

2 months → Core subjects → exhaustive → Projects → dummy projects

↳ Subhesh → mechanical eng.
↳ DTU, 5* on codechef
↳ PepCoding, founding team
↳ Scaler, Instructor → June 2022 → jun 2023
↳ Google India (June 2023 → AlgoPrep
Nov 2023 → Google)

1 Phone Screening (DSA)

3 DSA (medium - Hard) + 1 Googlyness (HR)

Team matching → bang → Search (C++)

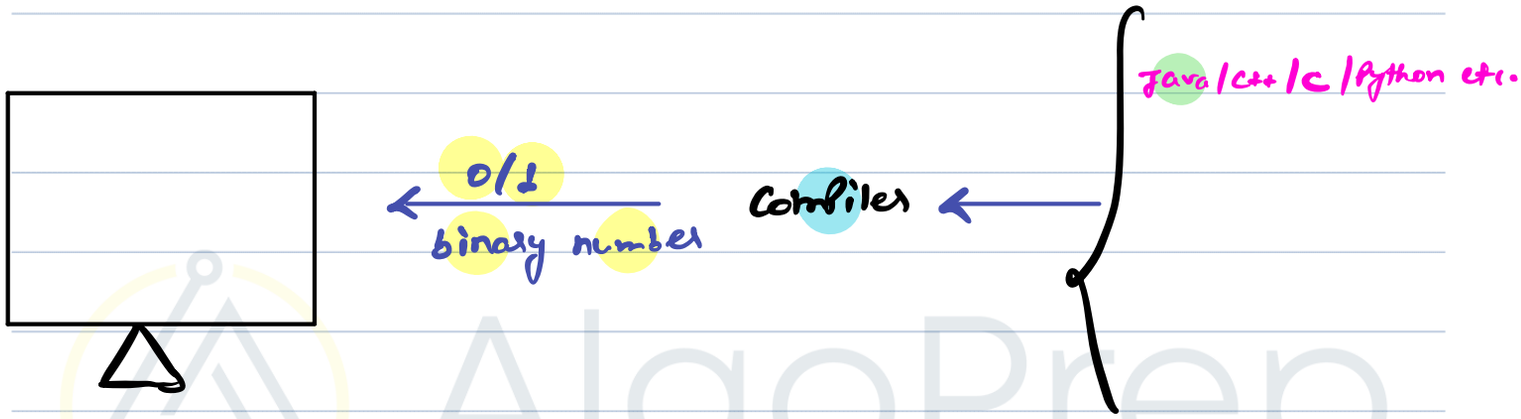
→ Hyd → Compliance team → HR hire (Golang) + Angular

* Computer is ! → dad of the video {dumb}

→ Pen/Paper, using English

↓

Java/C++/C/Python etc.



→ english: Rules → grammar

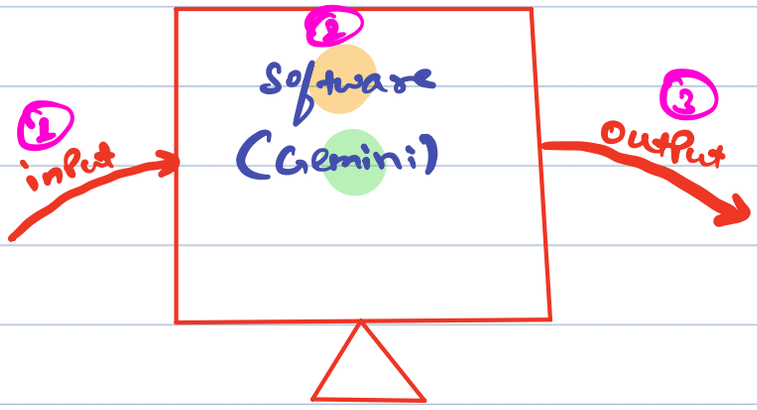
→ java: Rules

↳ Syntax

Pen/Paper:

IDE → Integrated development environment.] online IDE

↳ Eclipse/vs code/IntelliJ etc.



Rule 1 : (output)

output (console)

```
System.out.println(10);   // next line
System.out.println(20);
```

→

```
10
20
```

```
System.out.println(100);
System.out.print(200);
System.out.println(300);
```

→

```
100
200 300
```

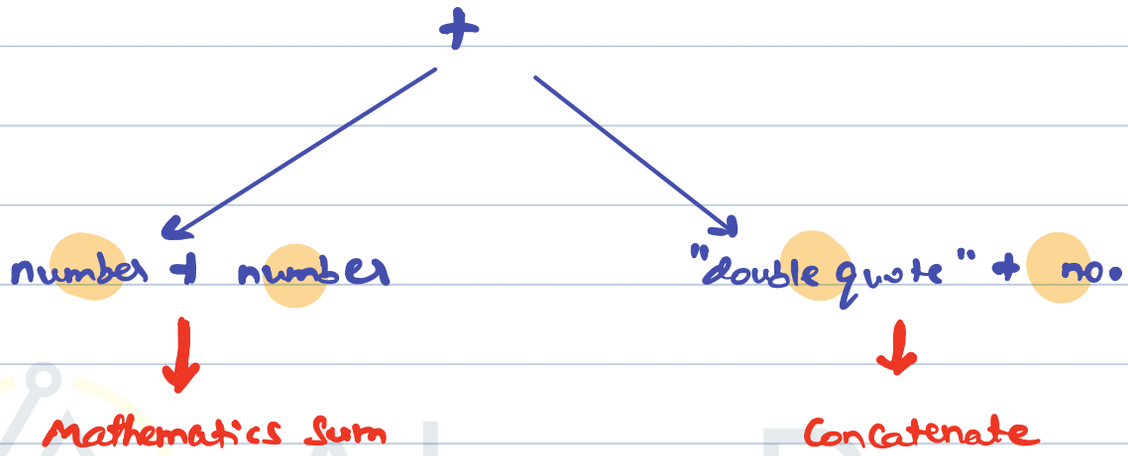
Double quote Printing

```
System.out.println("AlgoPrep");
```

→ AlgoPrep

Plus sign in output

System.out.println(100+9 + "Hello") → 109Hello



Operators

↳ + - * / () → BODMAS

↓

2 + 2 ÷ 2 = 3

Rank 1 : ( )

Rank 2 : ÷

Rank 3 : *

Rank 2 : Divide / multiply
↳ left to right

Rank 4 : +

Rank 5 : -

Rank 3 : add / subtract
↳ left to right

* Data types

Ex1:

```
int temp;
temp = 20;
temp = 100;
System.out.println(temp);
```

Ex2:

```
int temp;
temp = 20;
System.out.println(temp);
temp = 100;
System.out.println(temp);
```

Ex3:

```
int temp;
temp = 100
int temp;
temp = 20;

System.out.println(temp);
```

// Input