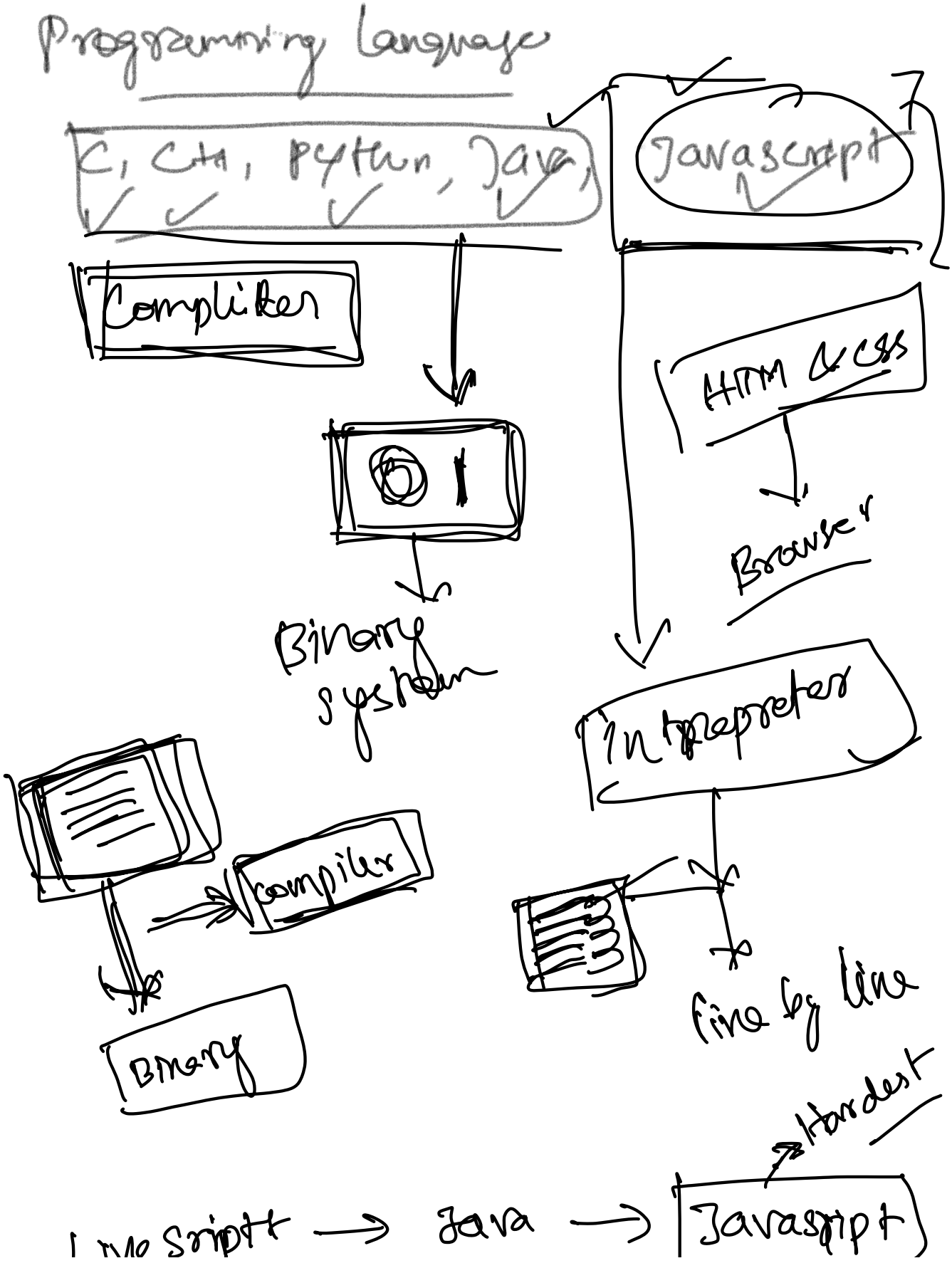

Programming Language
C, C++, Python, Java
Javascript
Complicker
HTML & CSS
Binary system
Browser
Interpreter
compiler
Binary
Line by line
Hardest
Java Script
Java
Javascript

Recent version

Ecma script

company name

Docs

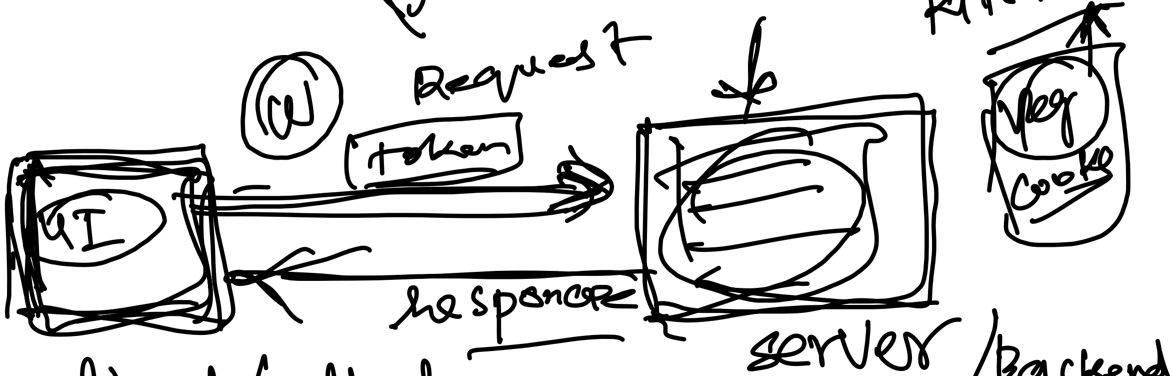
ES5

ES 6

programming language.

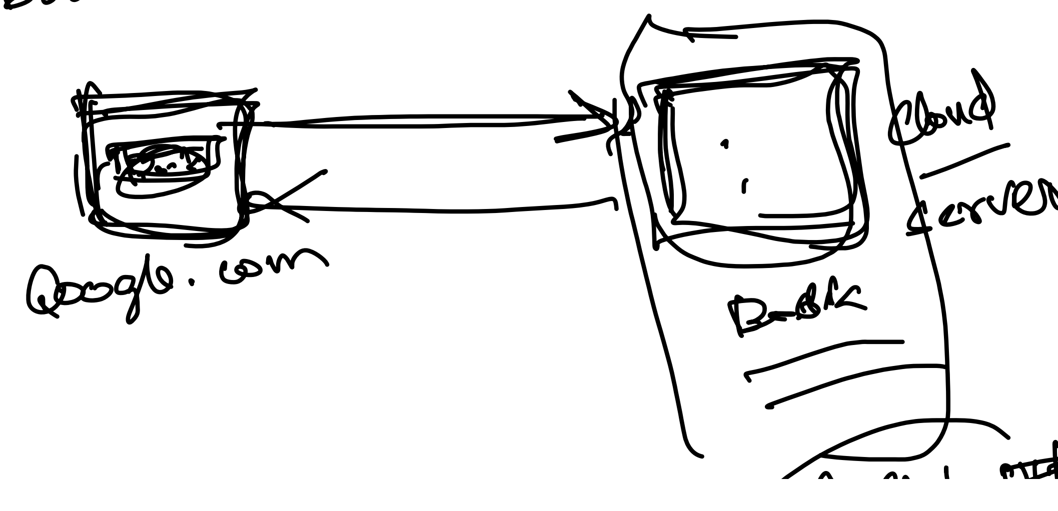
Intreprater.

property -> methods



Client / client side render.

Browser



C/C++/...

PHP, .net, Golang, Java...

Task → Cook → recipe. → functions

Storage; | Conditions/controls | Repeated

Variable

if/else
switch

Loops
for loop
while loop
do while

sections / Data types

String, Number, Boolean

Dict / obj / literals

Array / List / tuple

null

functions

Rule of the recipe

recursion

Javascript → JS → ES6

Storage → var // let / const

```
var name = "prem"   → String
let age = 26        → Number
                        ↳ floats
                        ↳
```

Dynamicly typed language.

var name → Initialization. (Datatype)

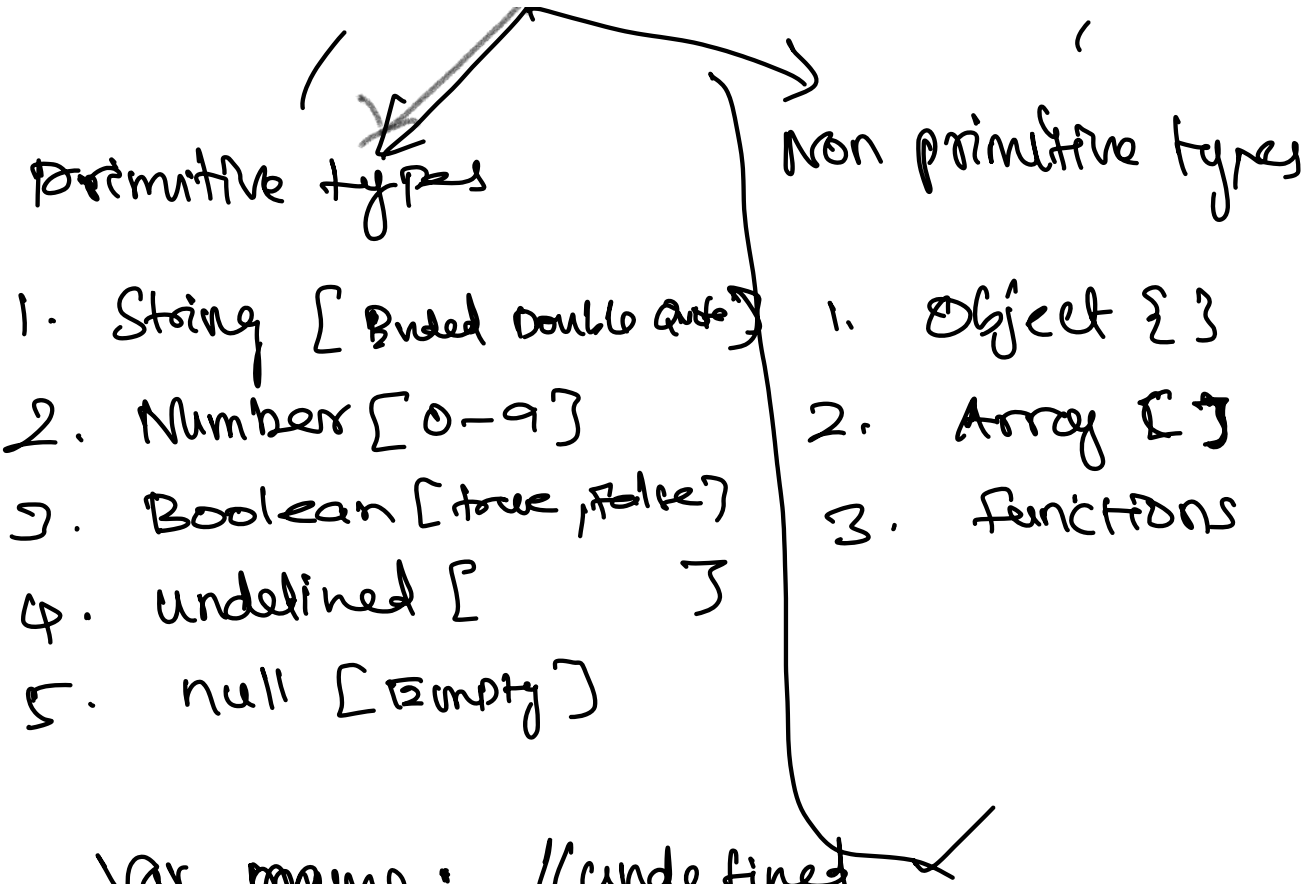
var name = "prem" → Declaration.

Javascript is slower than other lang

python is also dynamicly types

```
name = "prem"
age = 26
```

Data types



Array → collection of data

var Marks = [100, 20, 80, 10, 50];

Object → collection of key-value pair

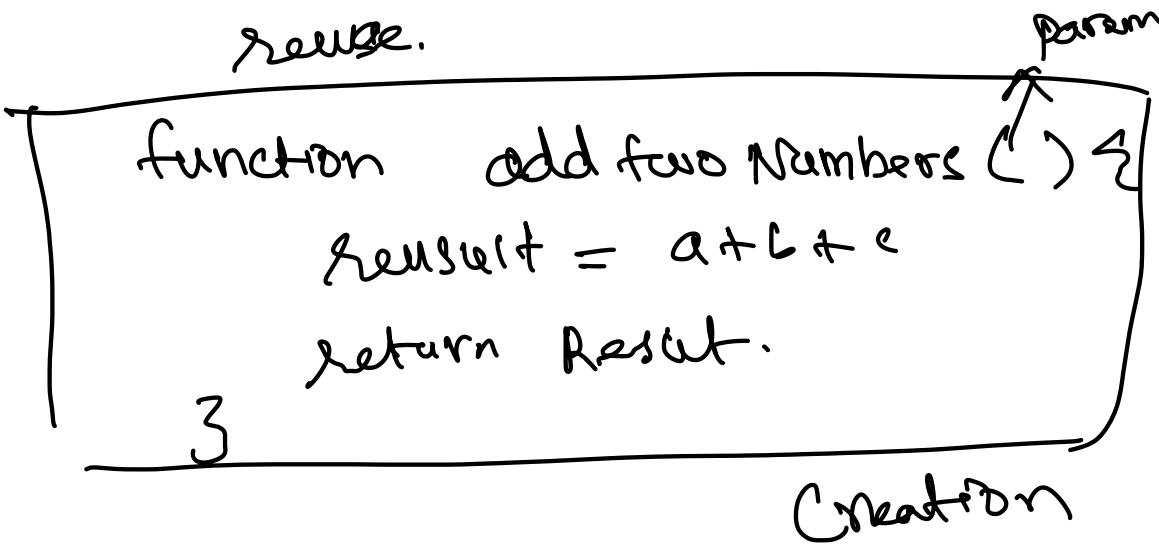
```
var address = {
        city : 'Bangalore',
        pincode : 560037,
        landmark : "something"
```

3 → key

0 → value

functions

1> Bulk of code, which we can reuse.



Execution

addTwoNumbers( ) // result.

---

primitive values → Browser

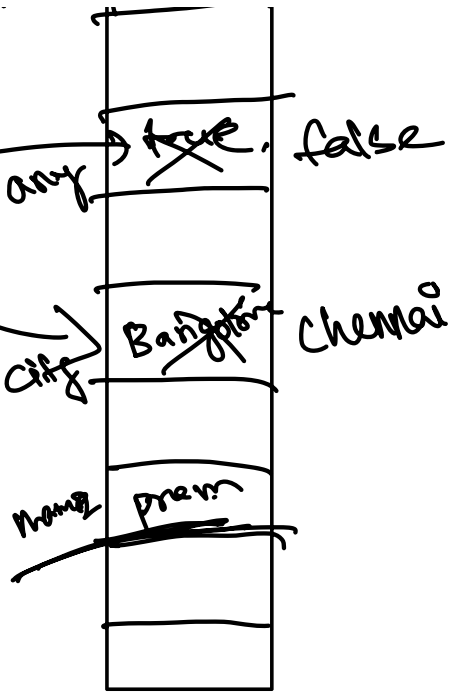
var name = "prem"

var city = "Bangalore"

var any = true

city = "Chennai"

any = false



var name2 = name

name = "karthi"

print (name2)

DeepCopy

Non primitive

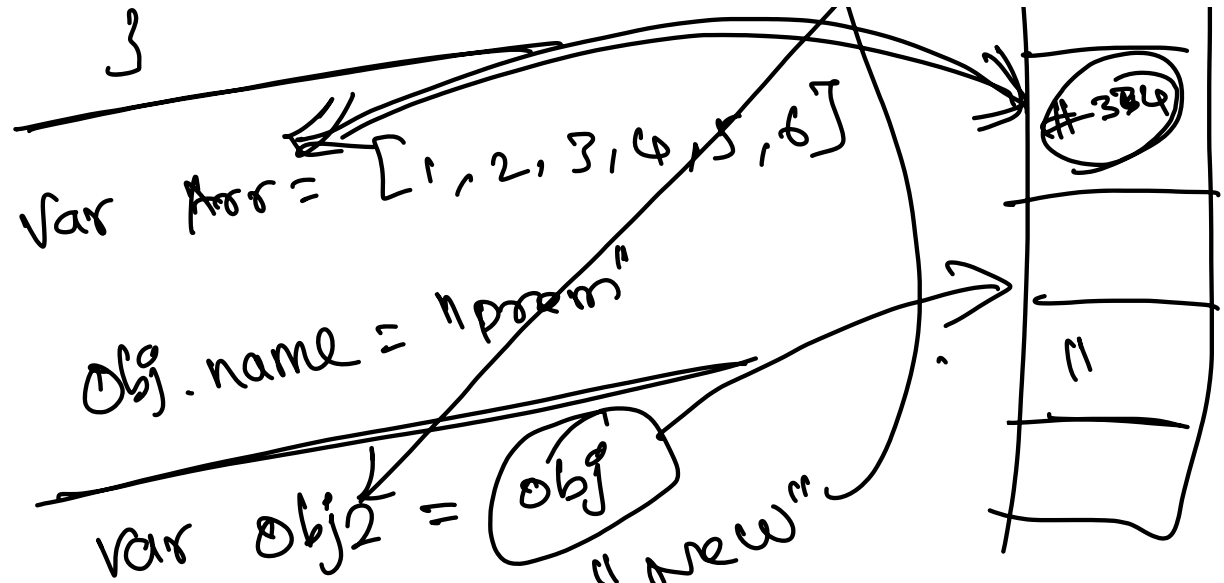
var obj = {

name = "karthi"

age = 26

}

new



Inits

var ABC = "ABC" ✓

var 123 = 2b ✗

var ✓

Complete-

[A-Z] [a-z] [0-9] [! - *]

[A-Z] [a-z] [$, :, #]

var 09ABC = ✗

var ABC09 = ✓