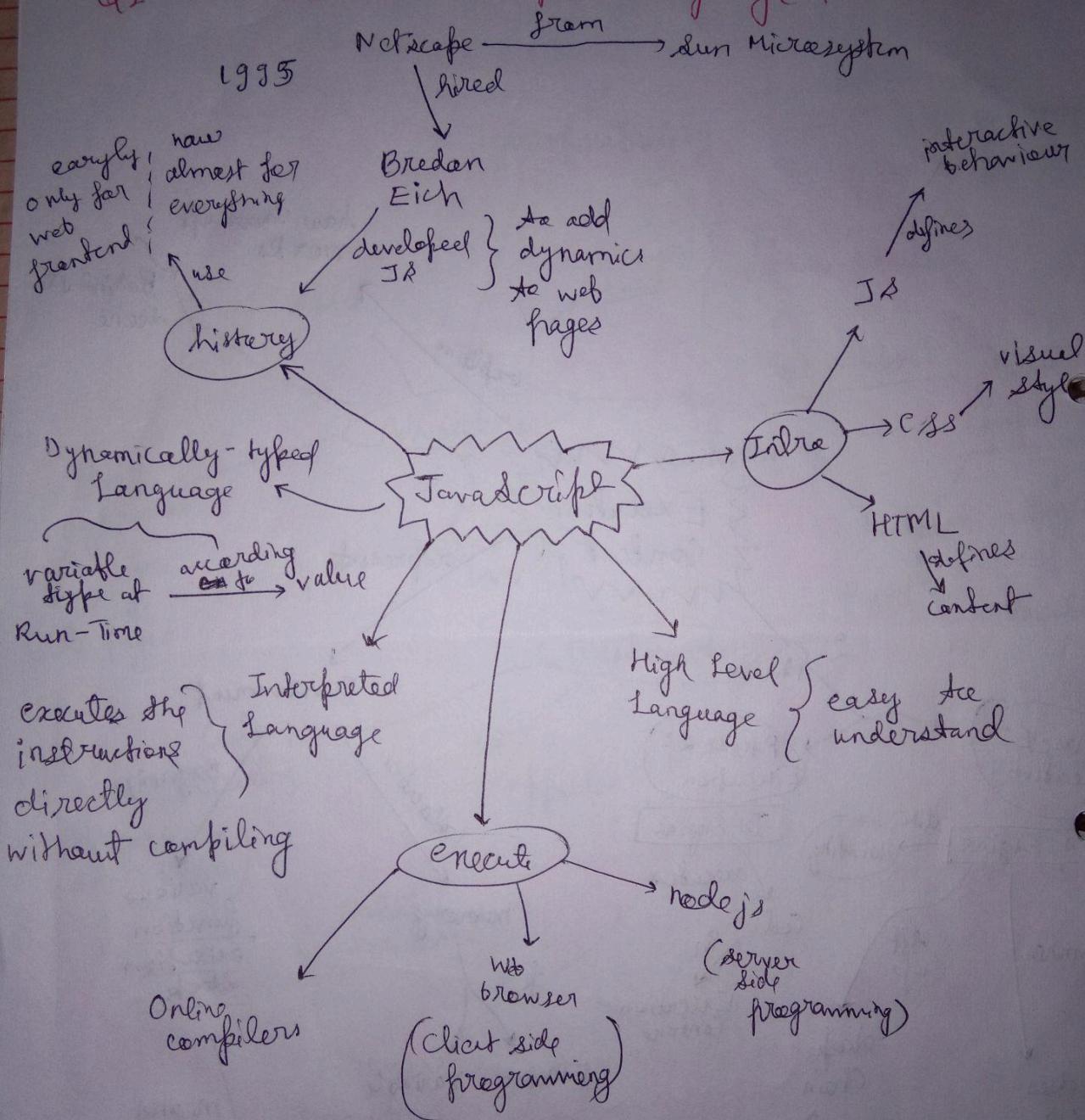


# JavaScript Questions

1. Describe JavaScript Language
2. Tell Various advantages and disadvantages of JS
3. Describe HTML
4. How to connect style.css and script.js to HTML
5. Describe CSS
6. What is variable in JS
7. Describe Naming Conventions for variables
8. How to declare and initialize variables
9. What is Strict Mode in JS
10. Write a code to change the value of a variable
11. What is constant in JS
12. What is Scope
13. Describe let and const keyword
14. What is function in JS
15. What is Variable Shodowing in JS
16. What is Hoisting in JS
17. Why TypeScript was introduced
18. What is strict Mode and Hoisting in JS
19. What is execution Context in JS
20. What is Scope in JS
21. Categorize various types of Data Types in JS
22. Describe operators in JS
23. Explain Number Data Type in JS
24. Explain Boolean Data Type in JS
25. Explain BigInt Data Type in JS
26. Explain String Data Type in JS, also tell what is string interpolation.
27. What is Autoboxing in JS, tell commonly used string methods
28. Describe the terms undefined, symbol and null.
29. Represent Type Conversion of various Data Types in JS
30. Describe Implicit Conversion in JS
31. What are object in JS
32. What is Array in JS
33. Discuss common methods in Arrays
34. Differentiate b/w single line comment and multi line comment
35. What is JSDoc what is code Toggling

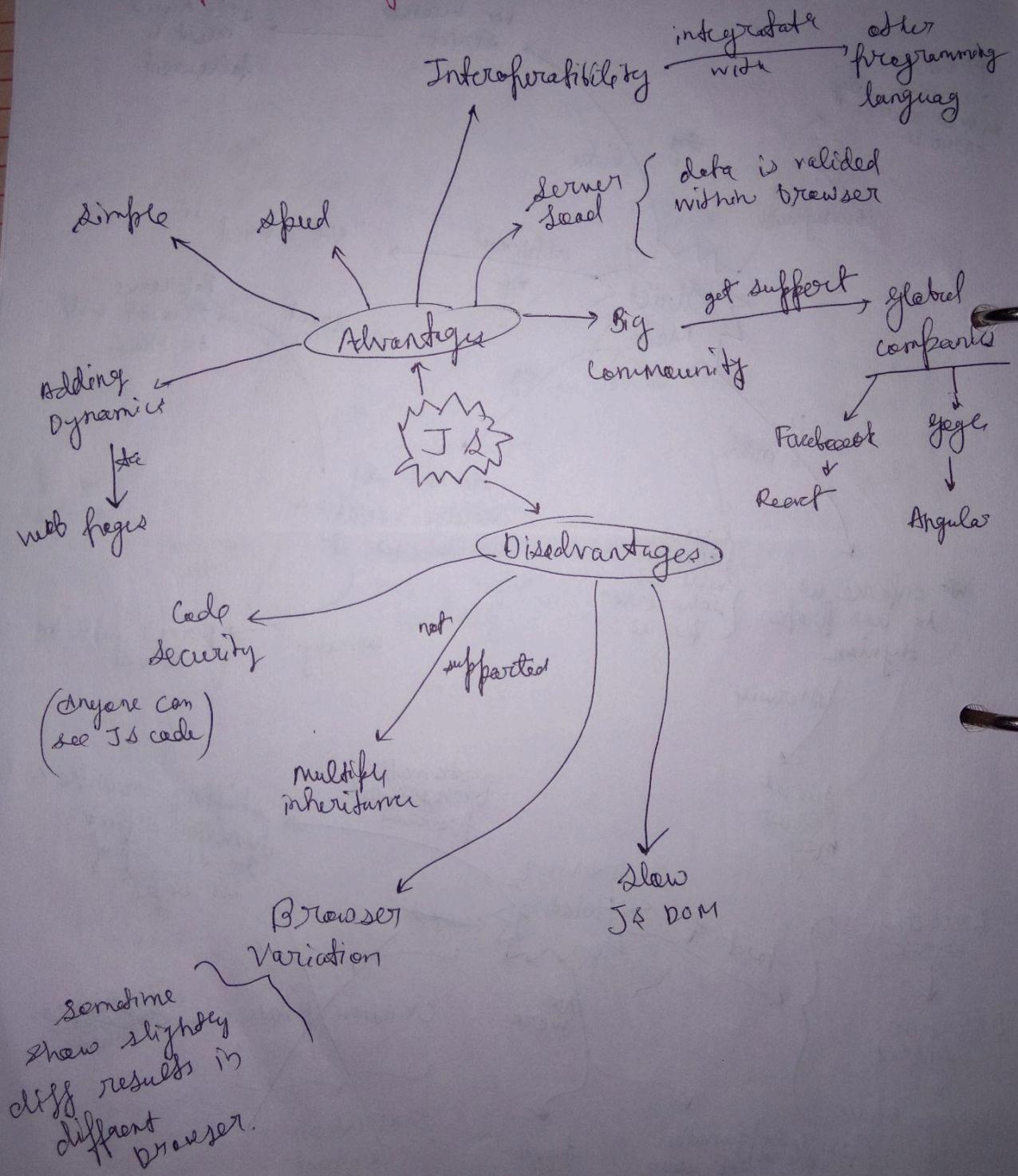
36. Tell about some unary operators
37. What are compound assignment operators in JS
38. Explain the working of logical operator and comparison operator w.r.t non-boolean values.
39. Describe working of typeof, instanceof, delete and ternary operator.
40. Discuss the Precedence and Associativity in JS
41. Discuss Dialog Boxes in JS (Alert, confirm and prompt)
42. What is the importance of while statement.
43. What is difference between for loop and while loop
44. Describe for...of and for...in variation of for loop in JS
45. Explain the working of break and continue statement.
46. What is Function in JS
47. Differentiate Function Declaration and Function Expression
48. Describe Generator Funciton in JS
49. Describe Constructor Function in JS
50. Describe Getters and Setters Functions in JS
51. What is difference b/w identity and equality operator
52. What is the diff b/w undefined and null

## Q1: Describe Javascript Language.



more (B)

Q2: Tell the various Advantages and Disadvantages of JavaScript

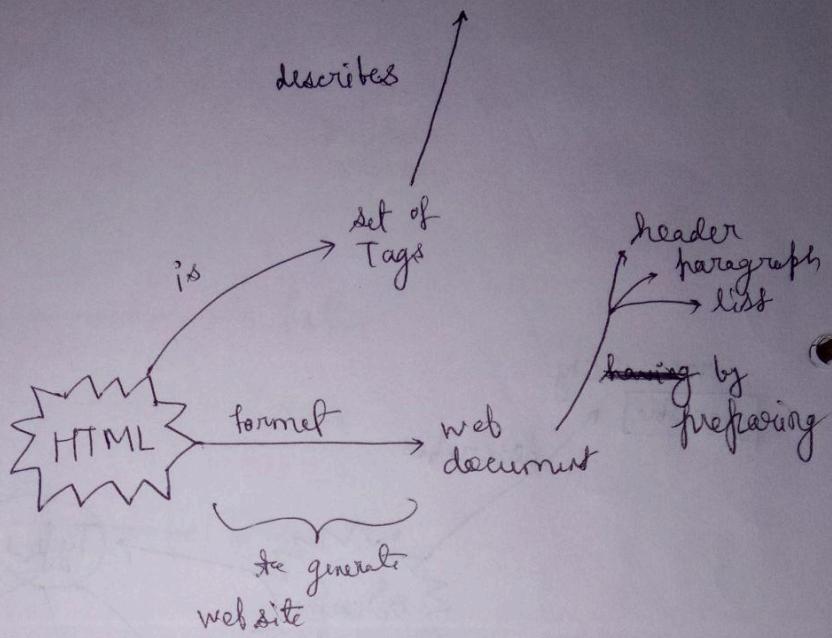


(5)



Q3: Describe HTML.

the structure  
of website



★ Q3: How to connect script.js to HTML?

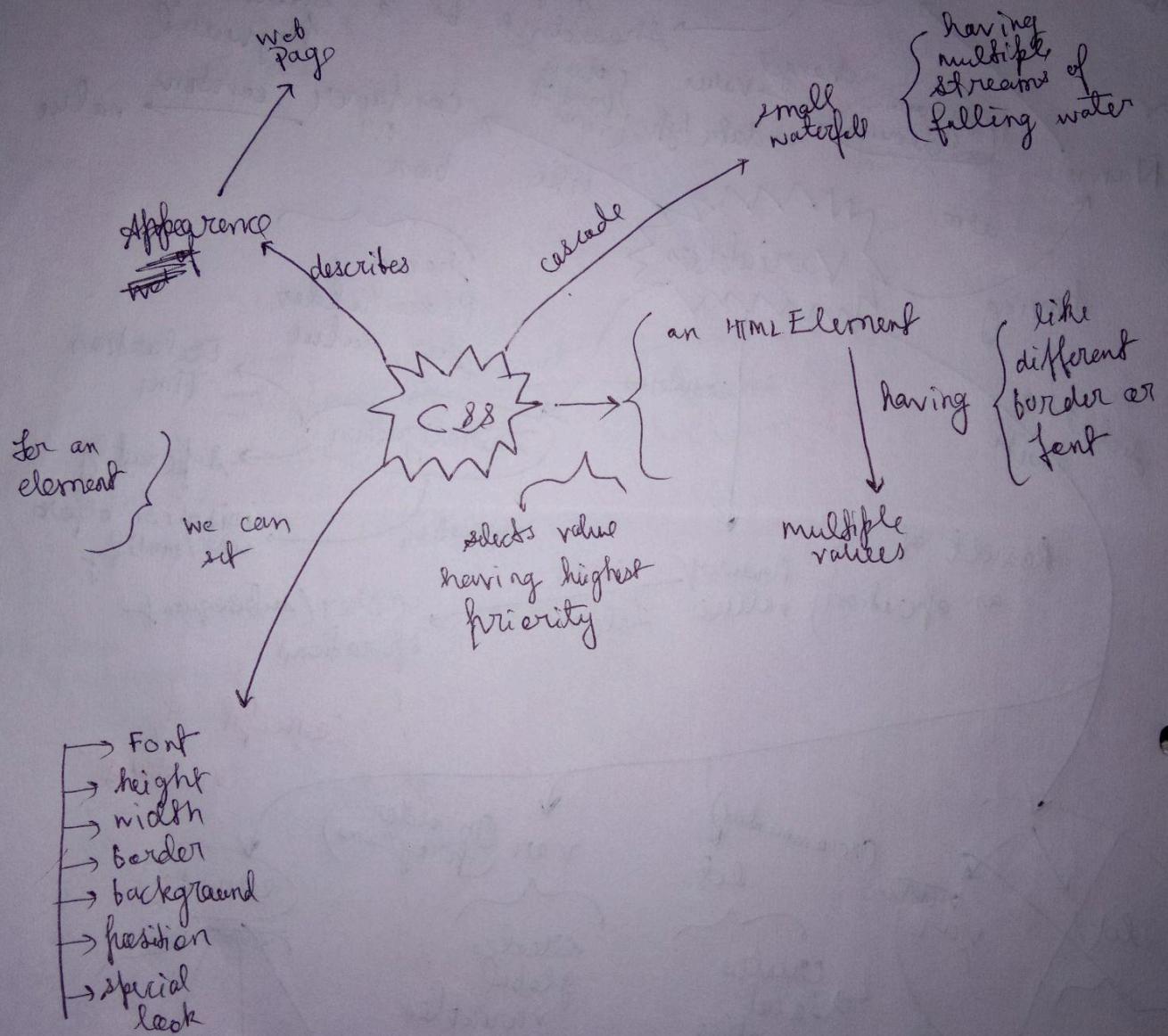
style.css

```

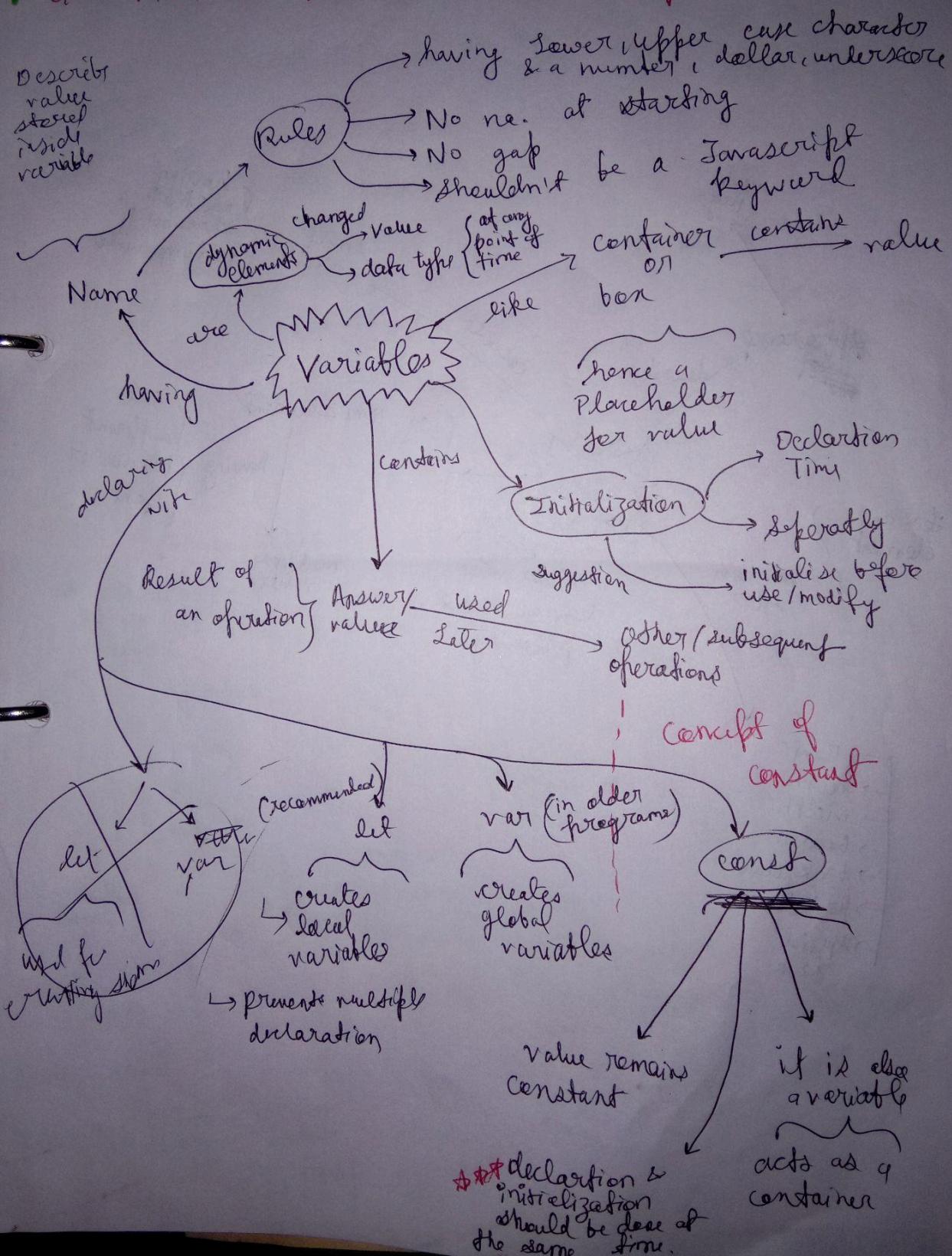
<head>
    <link rel="stylesheet" href="style.css" />
    <script src="script.js">
    <script src="script.js" /> </script>
</head>
  
```

A

## Q5: Describe CSS



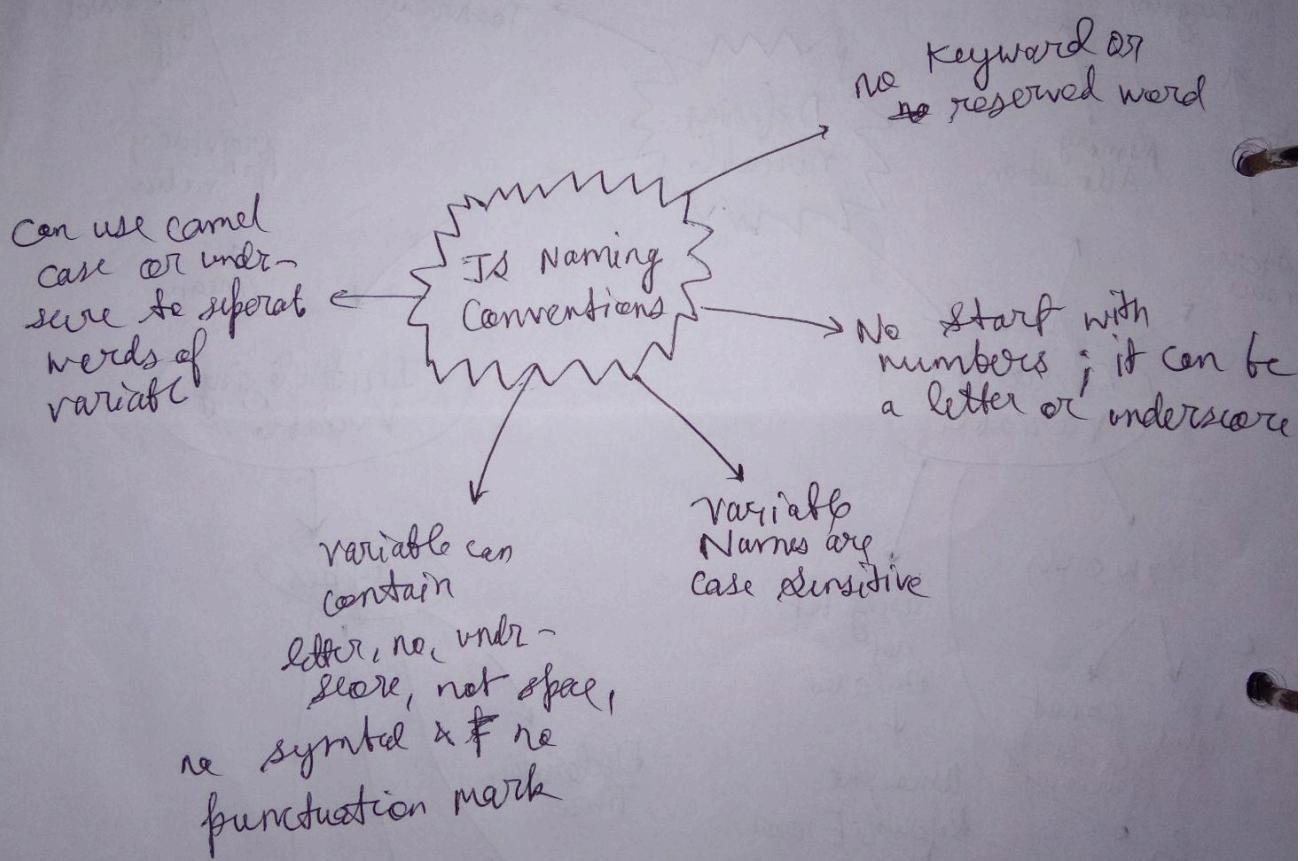
## \* Q6: What is Variable in JavaScript?





Q 8: Describe Naming Convention for Variable in

J2.





## Q9: How to Declare Variable and How to Initialize Variables

assignment operator

achieved by

providing 1<sup>st</sup> value

means

Initializing Variable

types

Declaration Time

Initializing Individual

Initializing Using another variable

Initializing Multiple Values at the same Time

& giving it name

Use it in Program

Memory Allocation

Store value

Declaring variable

Keywords

var  
(soft) var  
(redeclaration)  
const  
(global declaration)  
(Redeclaration allowed)

Eg

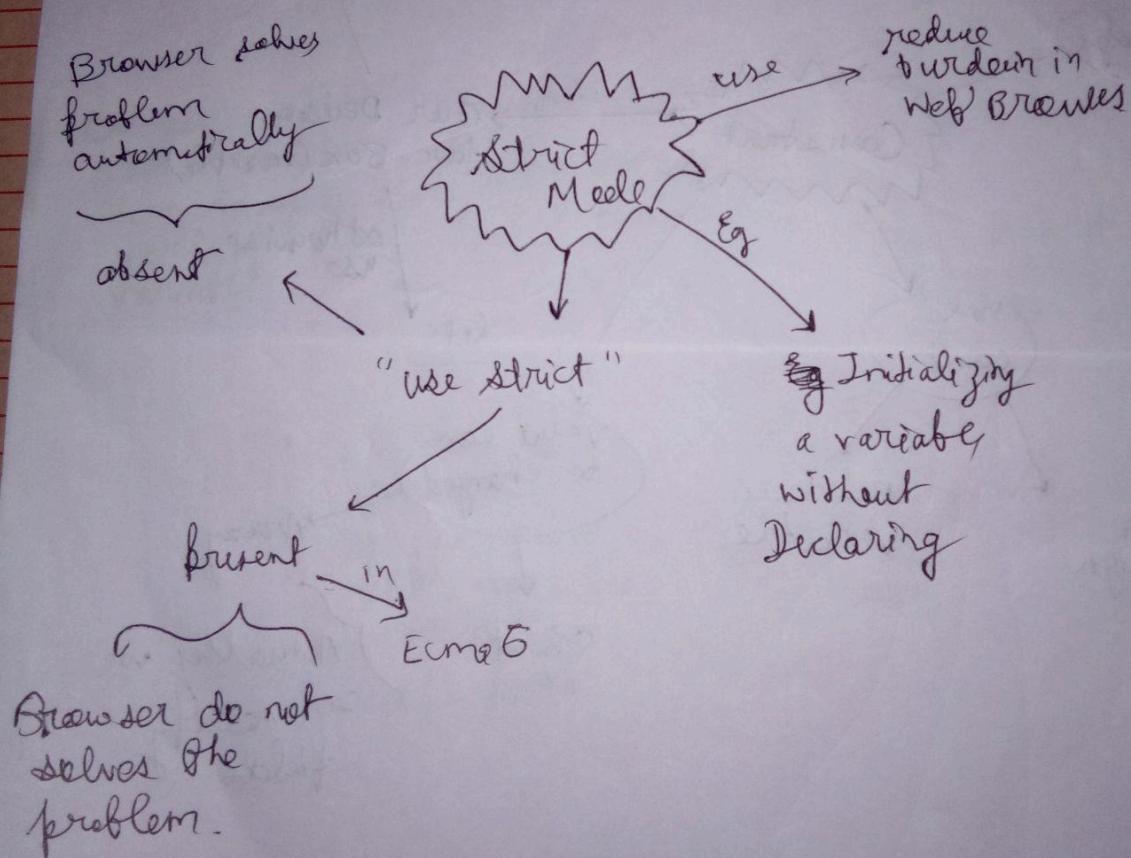
var height  
console.log(height)

using but  
not declared  
↓  
Uncaught  
ReferenceError

No Technical  
Defining variable

achieved by

**★**  
Q10: What is Strict Mode in JavaScript?



⑨

\* Q9: Write a code to change the value of a variable

```
let greet = "Hello";  
console.log(greet); // display → Hello
```

```
greet = 100;  
console.log(greet); // display → 100
```

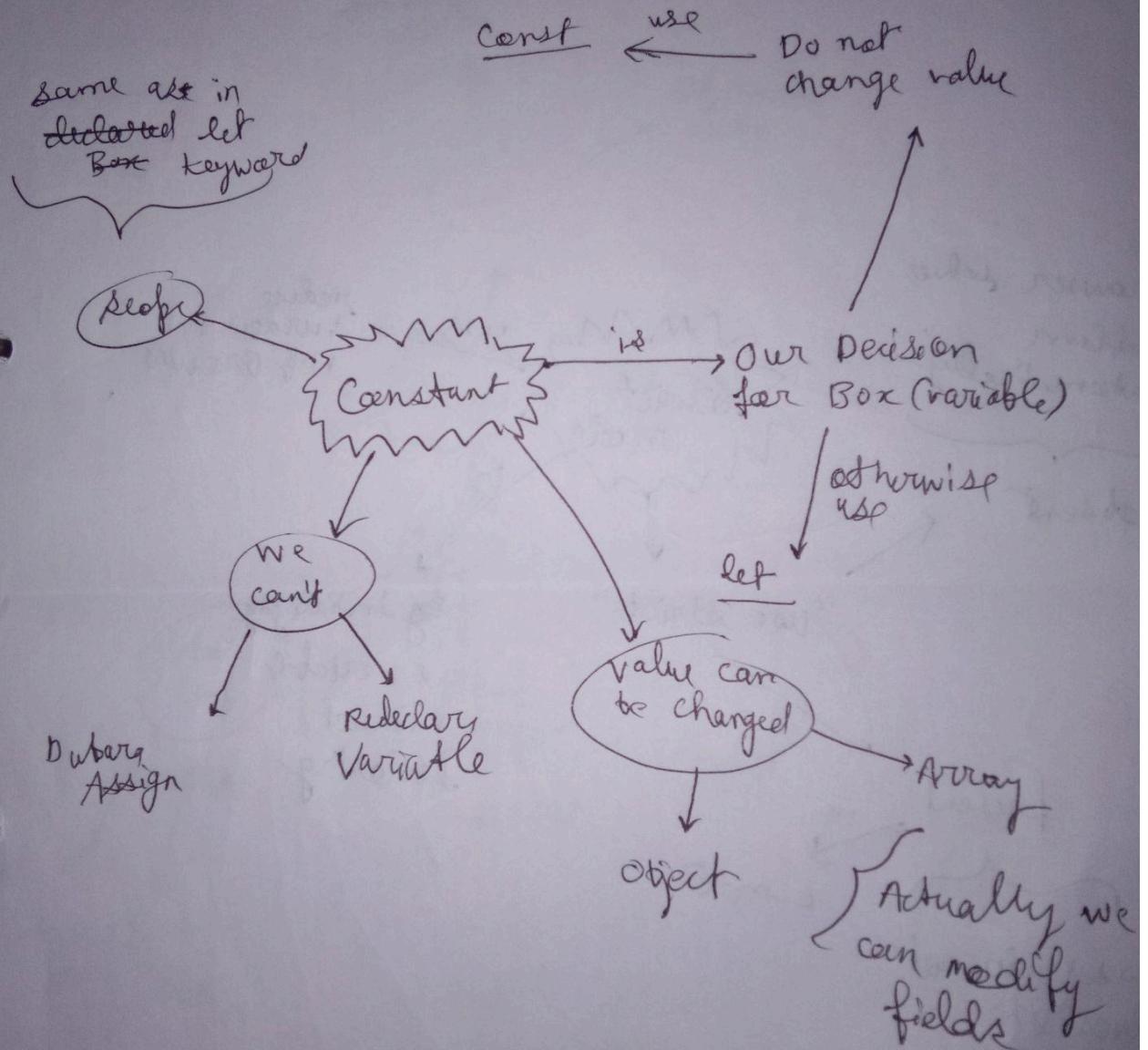
```
greet++; // incrementing; greet → 101
```

```
greet *= 5; // greet display → 505
```

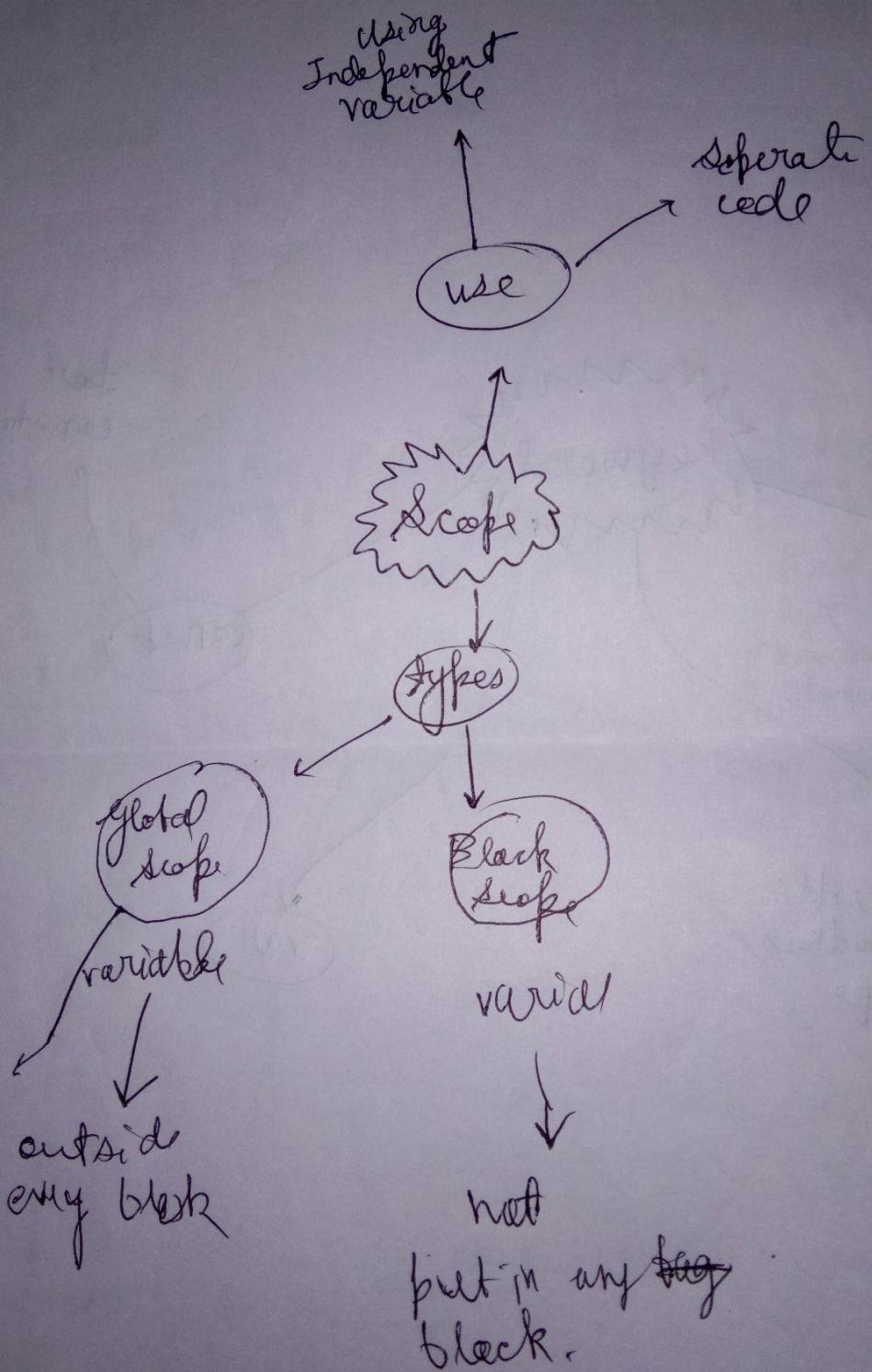
```
greet = greet + "nice" // Implicit type conversion
```

```
console.log(greet) // display → 505 nice
```

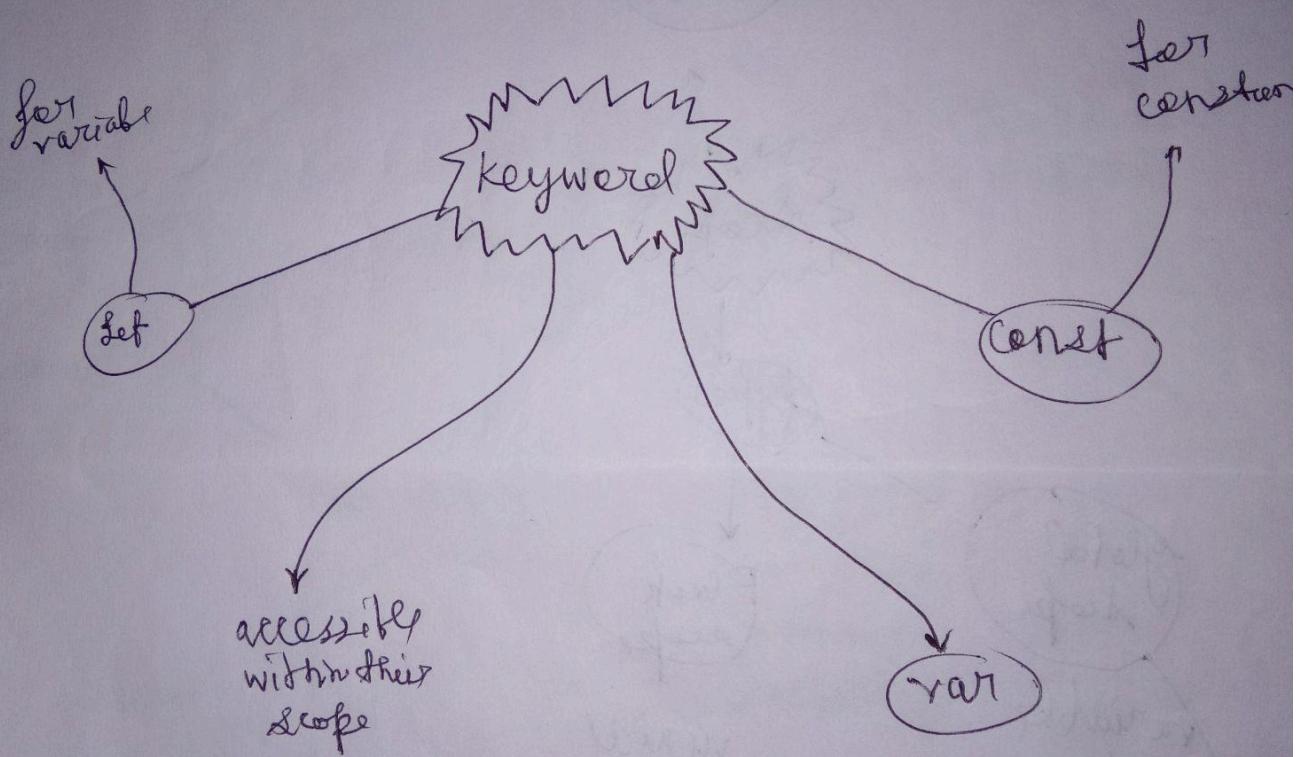
Q11: What is constant in Javascript



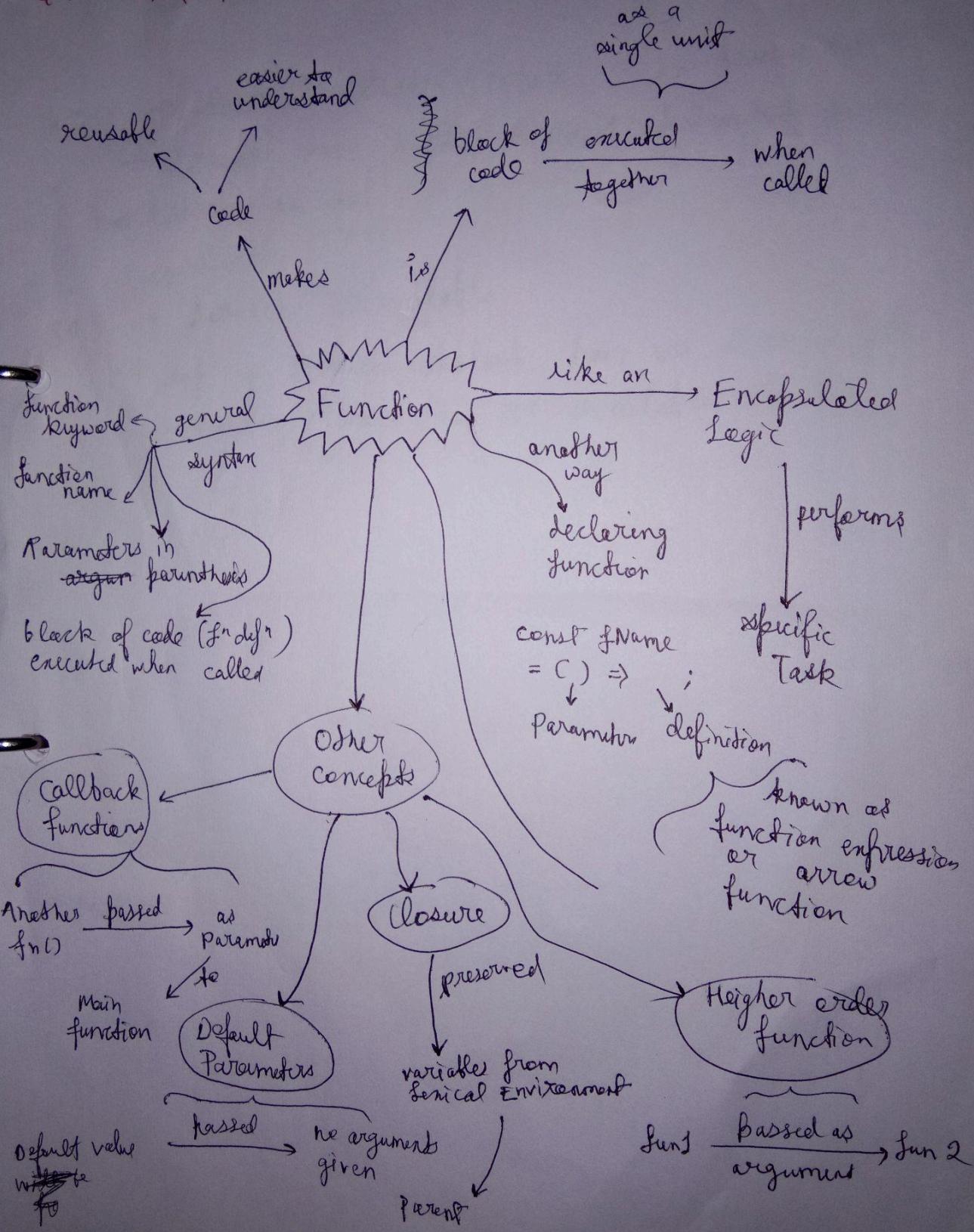
Q12: What is scope?



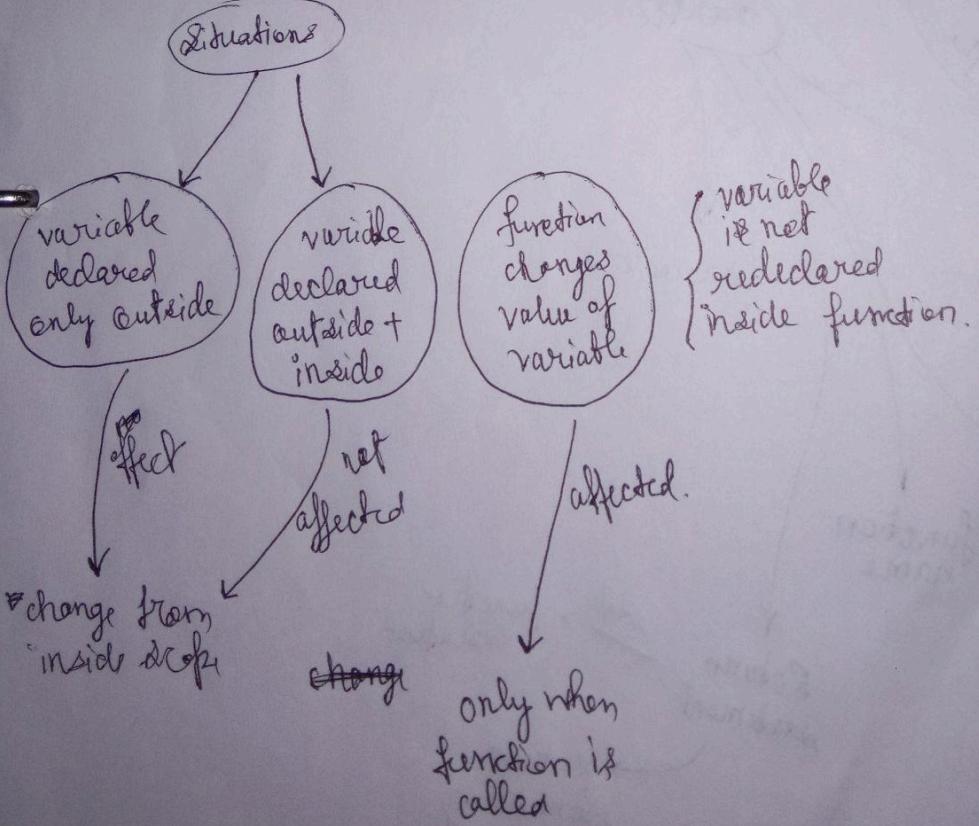
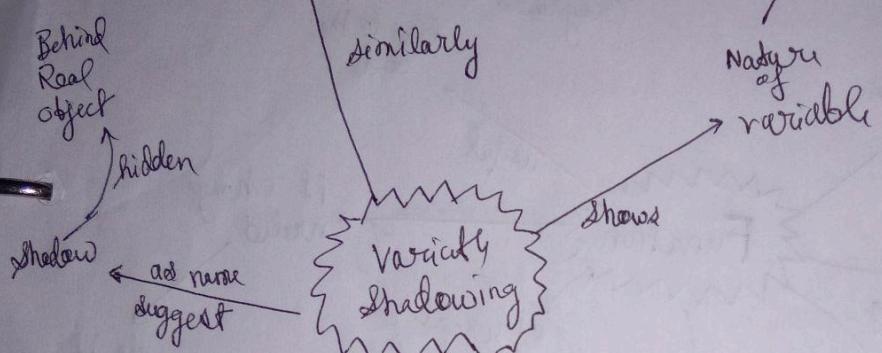
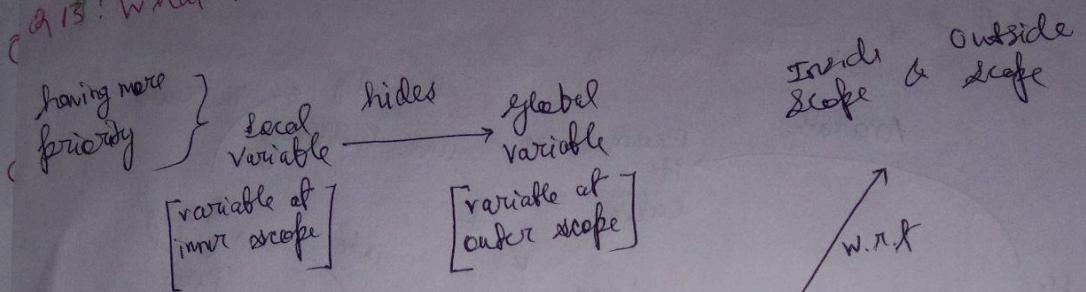
**★**  
Q13: Describe let and const keyword



## Q11: What is Function in Javascript?



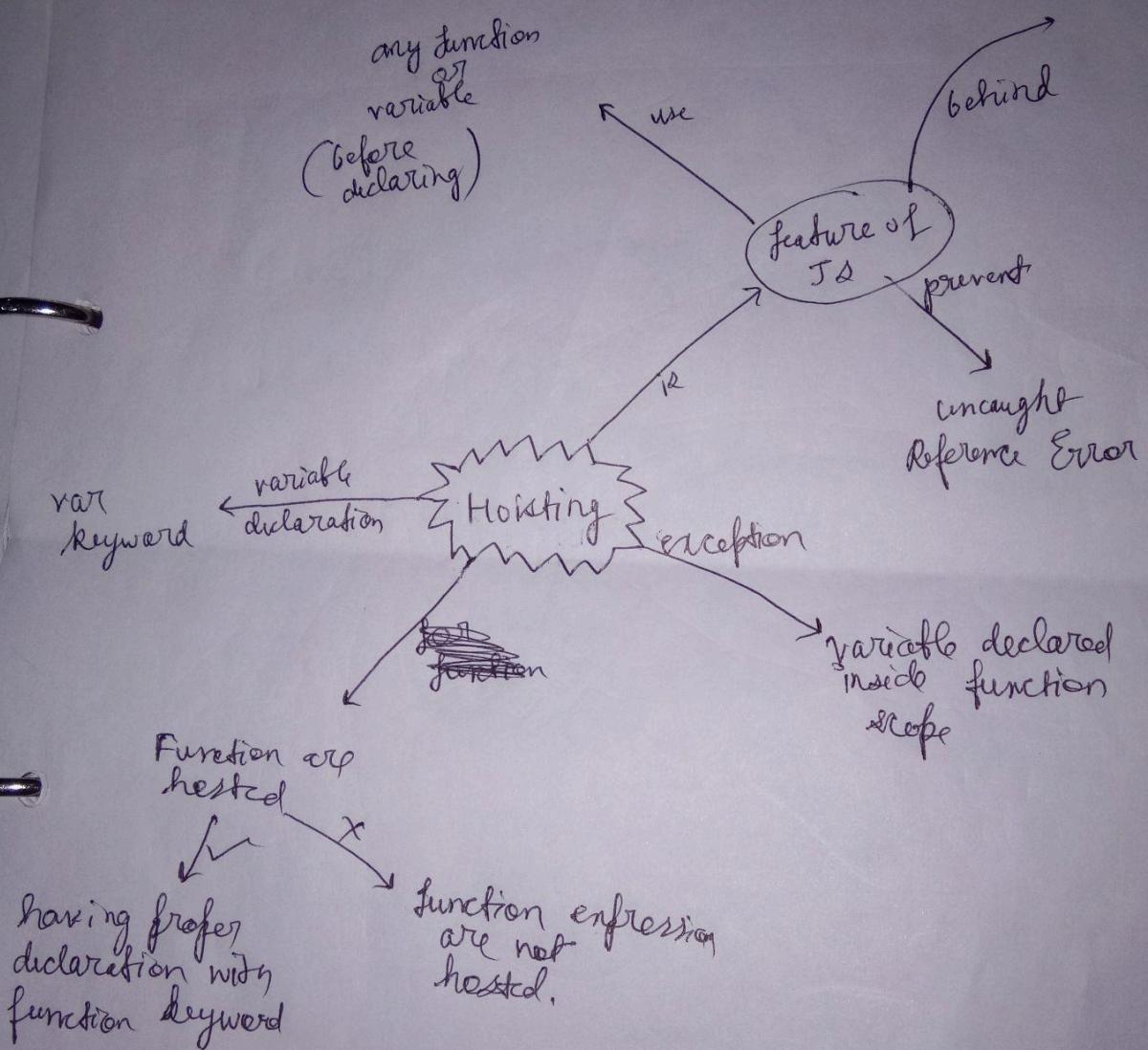
Q13: What is variable shadowing in JS.



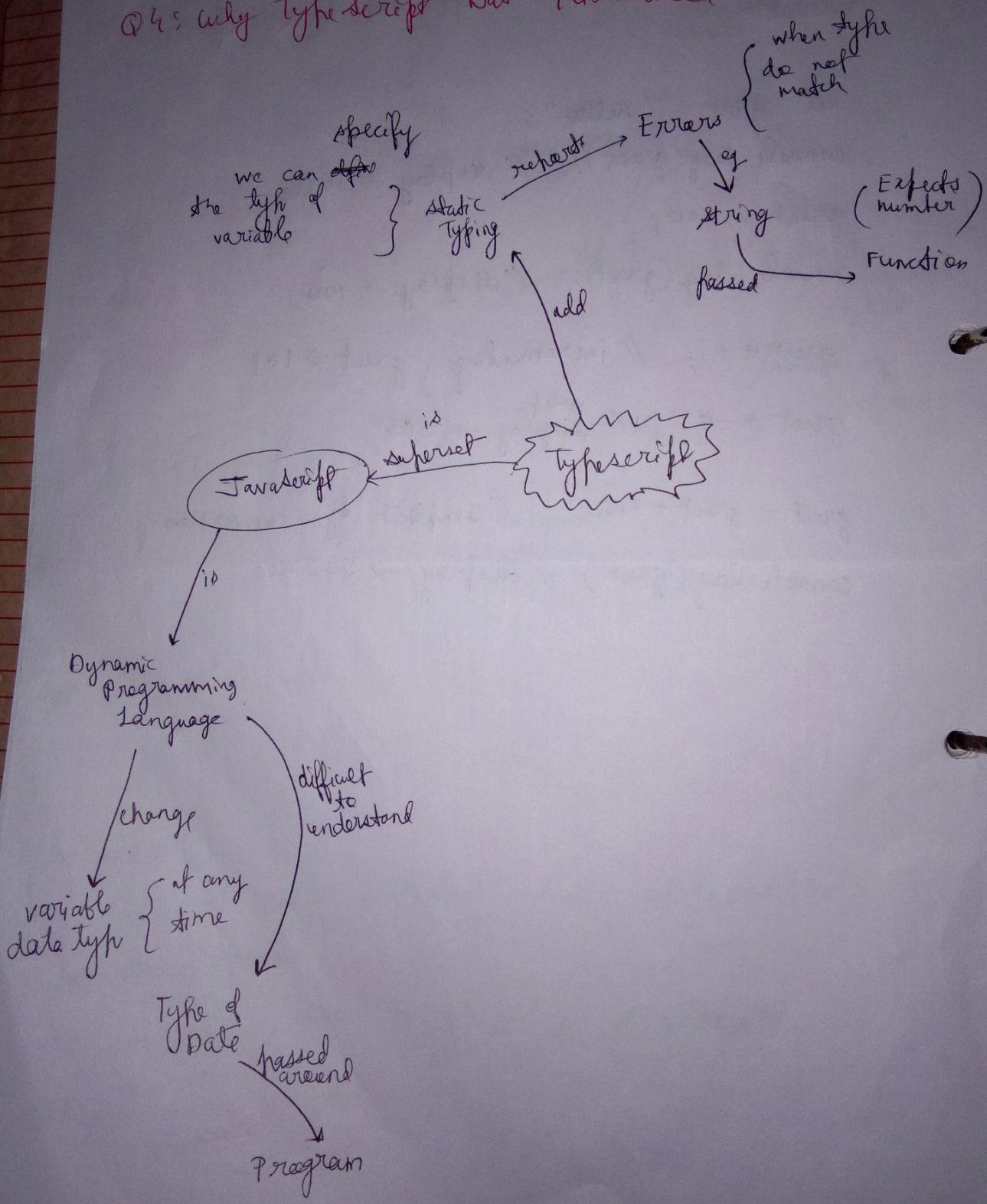


Q14: What is hoisting in JavaScript

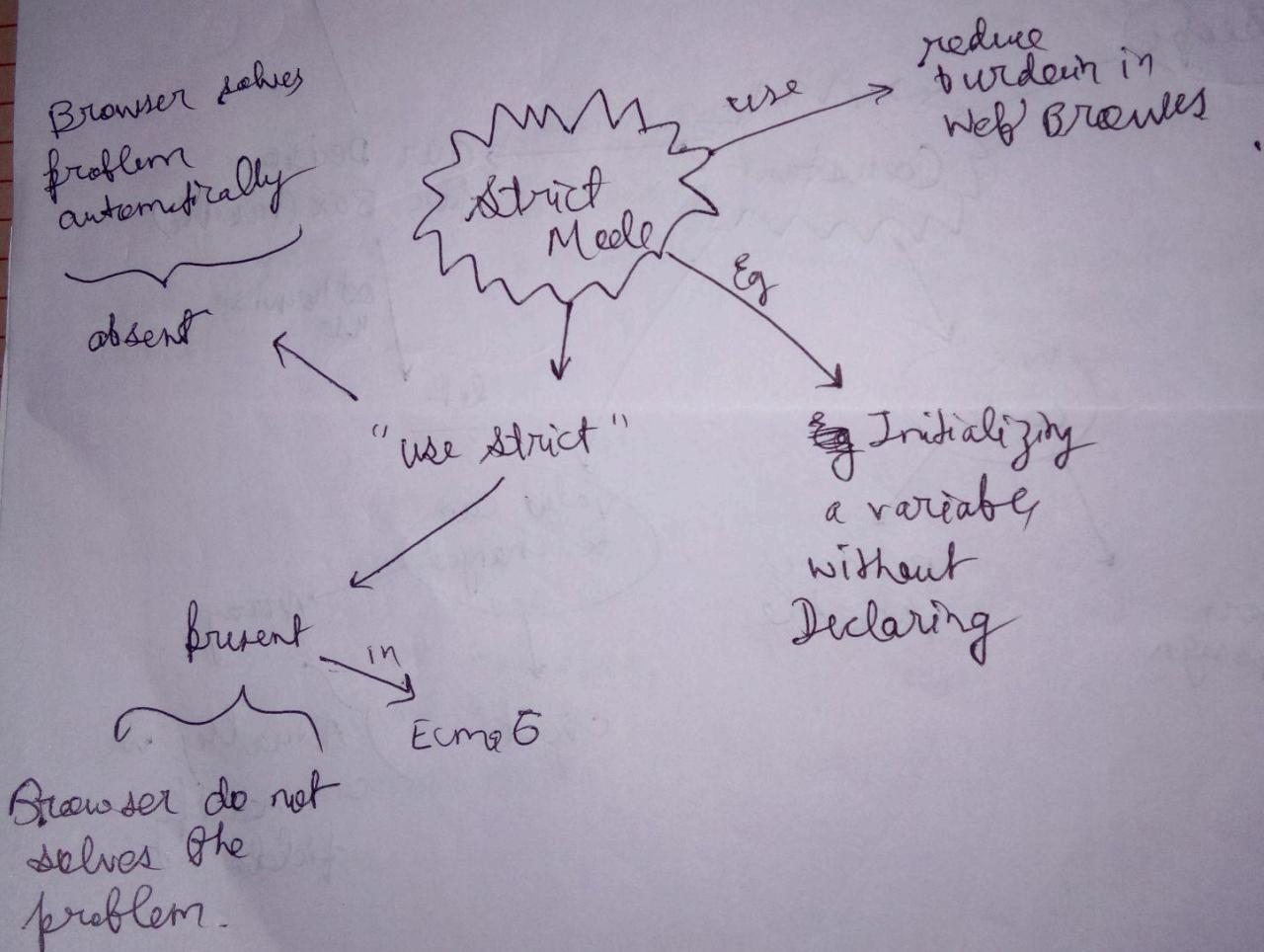
put all variable & function defn at top.



## Q4: Why TypeScript was introduced



\* Q10: What is Strict Mode in JavaScript?





## QF: What is Strict Mode & Hoisting in JavaScript?

QF: What is

Strict Mode

& Hoisting in JavaScript?

Browser automatically serves our errors

enforce us to use proper syntax

otherwise general error msg

Execution Stack  
↓  
Execution Context  
↓  
Creation Phase

Hoisting (like declare variable not function expression)  
var sum = function (a, b) { ... }

background

is a mode

now browser will not serve errors for us

like

strict mode

achieved by

cg

do not declare variable & initialise + use it

"use strict"

in strict

Reference Error will be shown

normally

Error will be solved

automatic background freeze

shifting variable & function definition to the top of its scope

creation phase

Execution phase

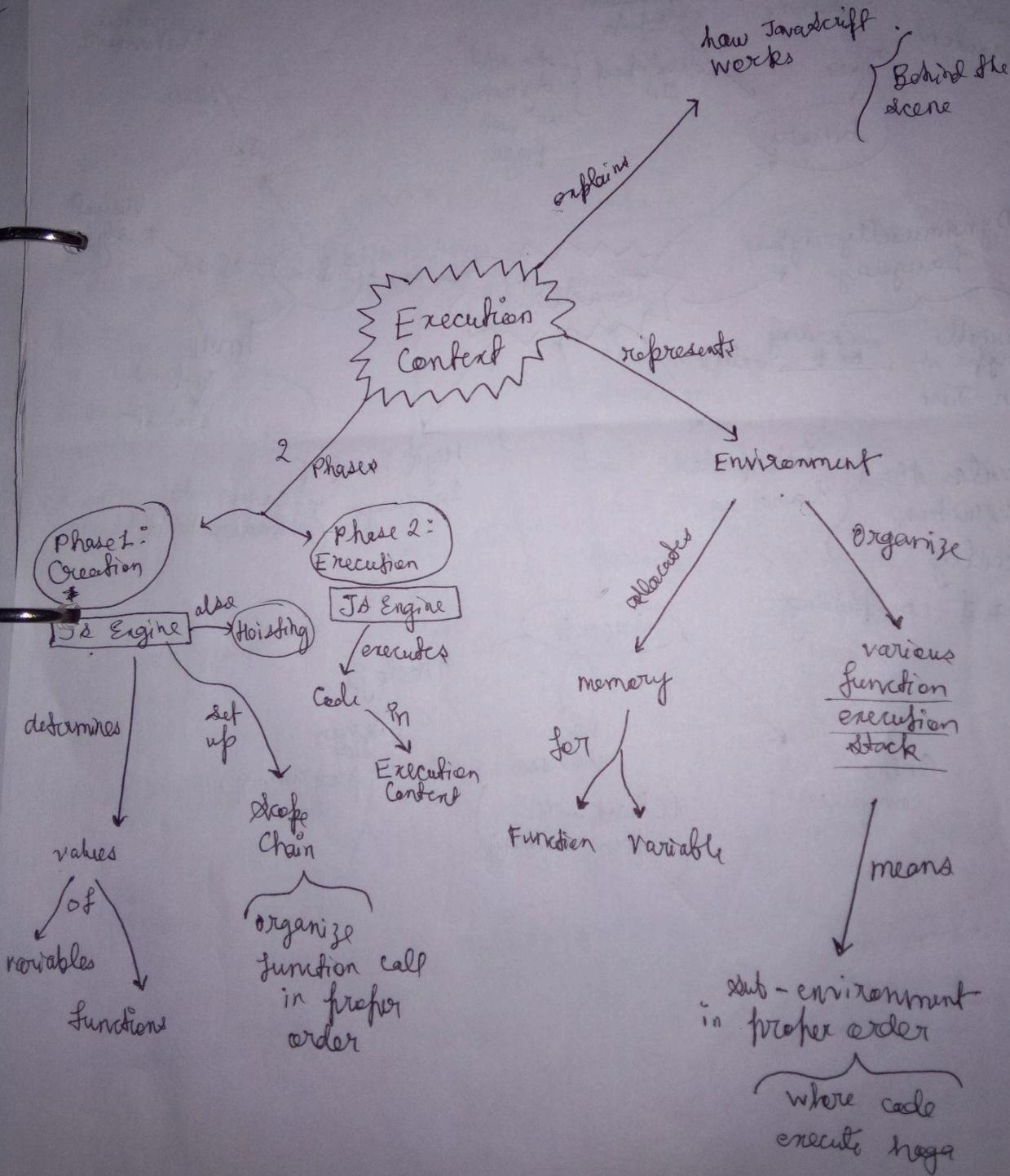
function in bracket parenthesis

Hoisting

not work

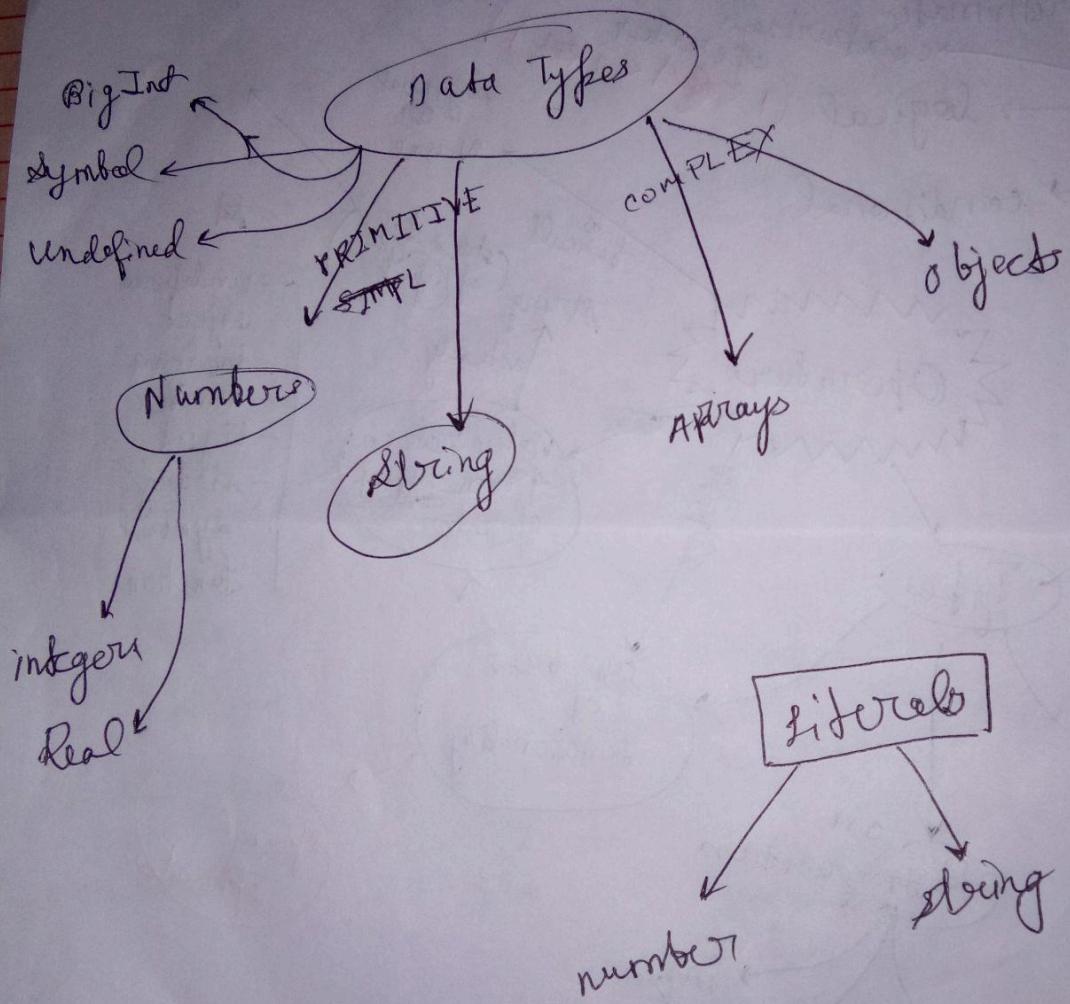


Q8: What is Execution Context?

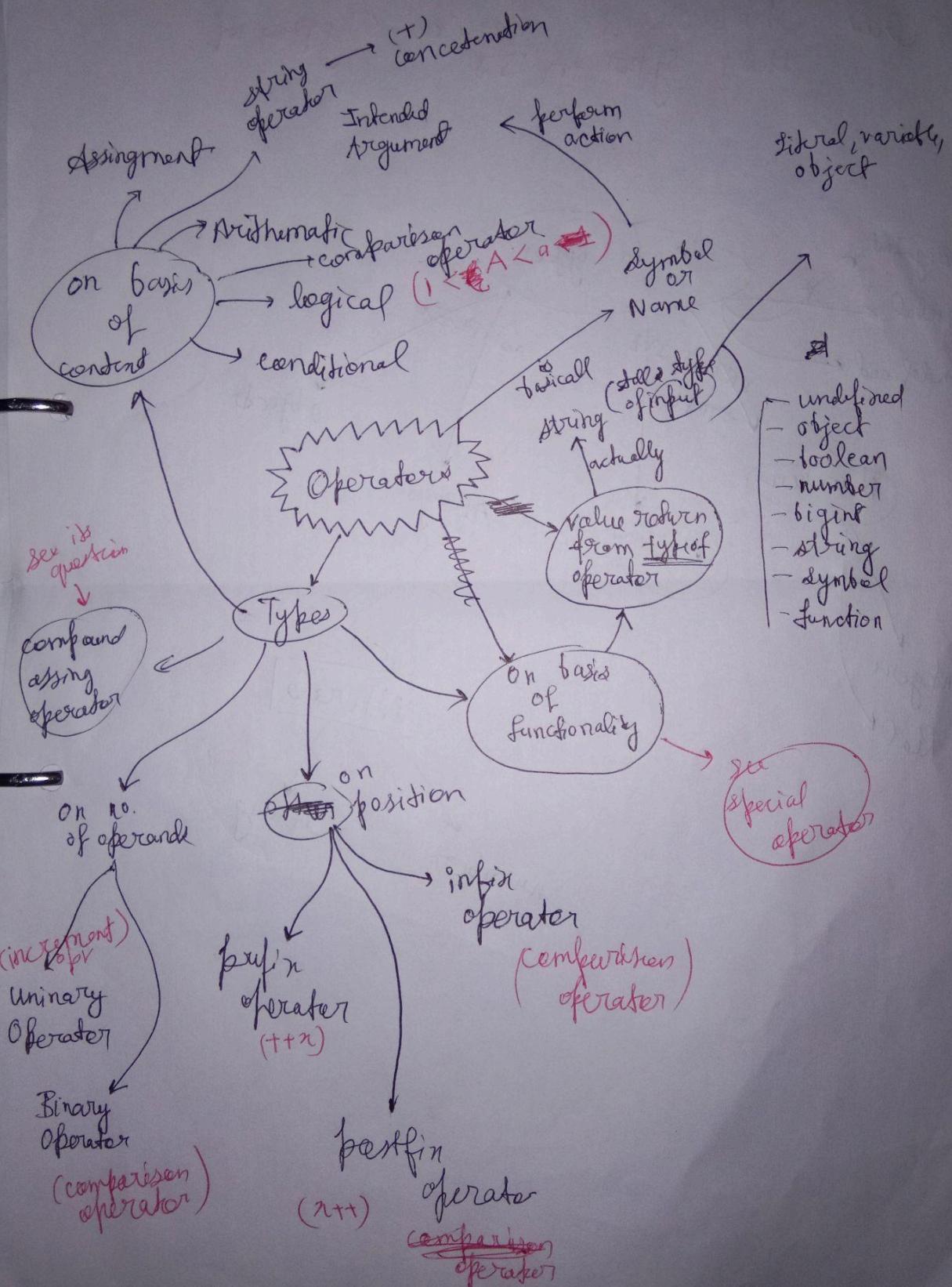




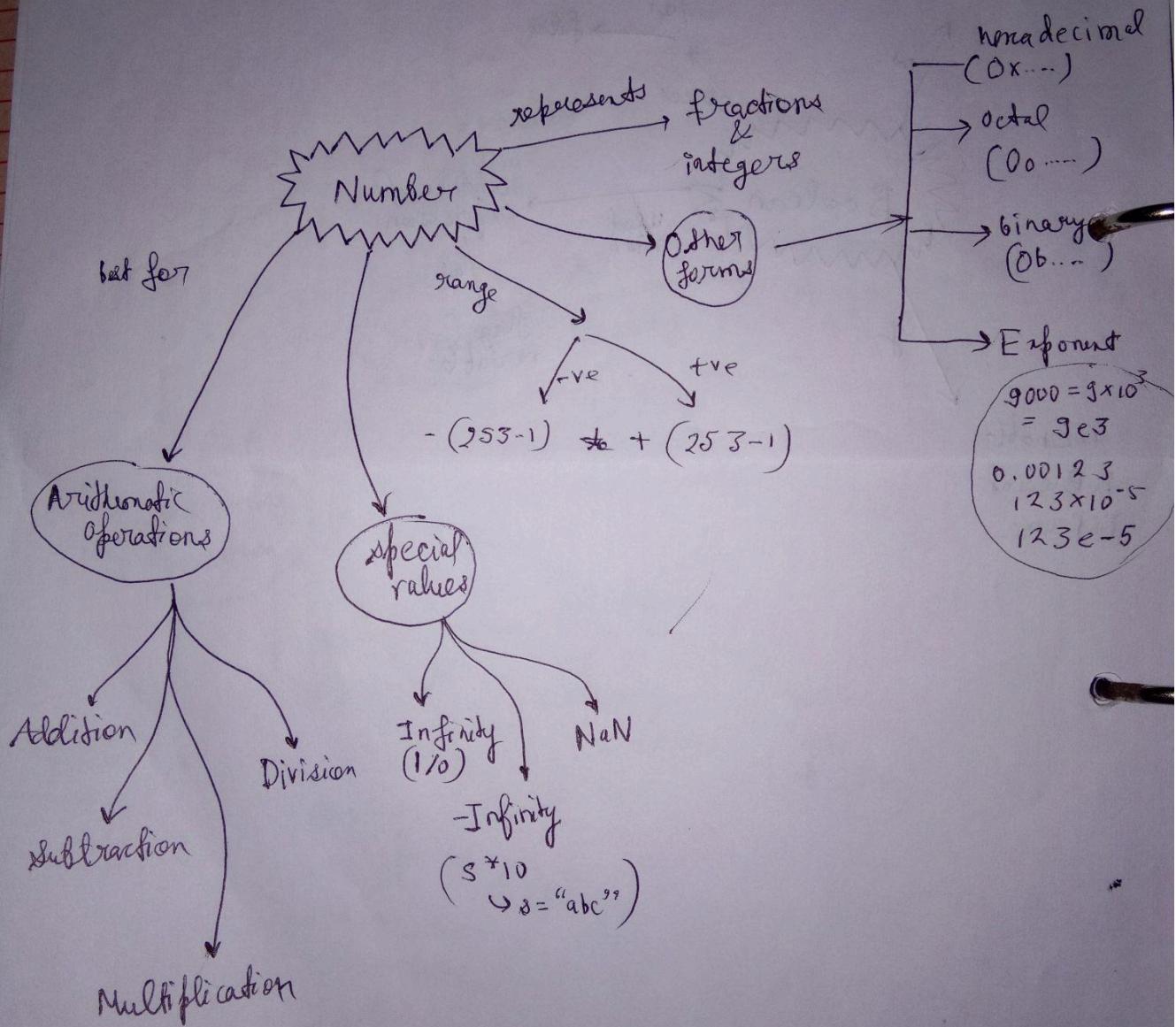
Ques: Characterize various Types of Data Types in JS



Q2 : Describe operators in JS

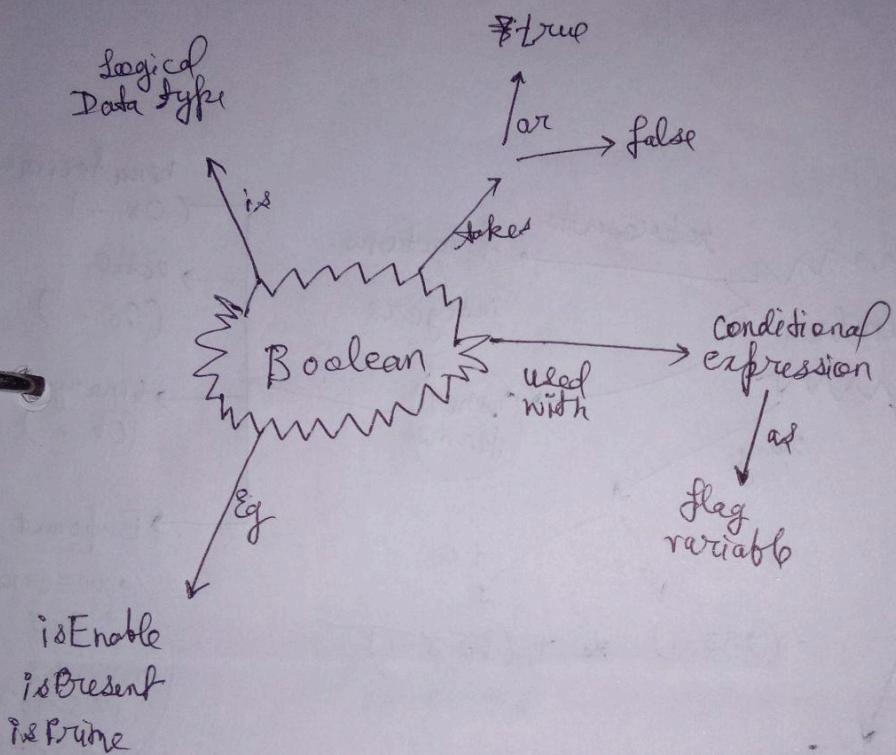


## Q4: Explain Number Data Type in JavaScript

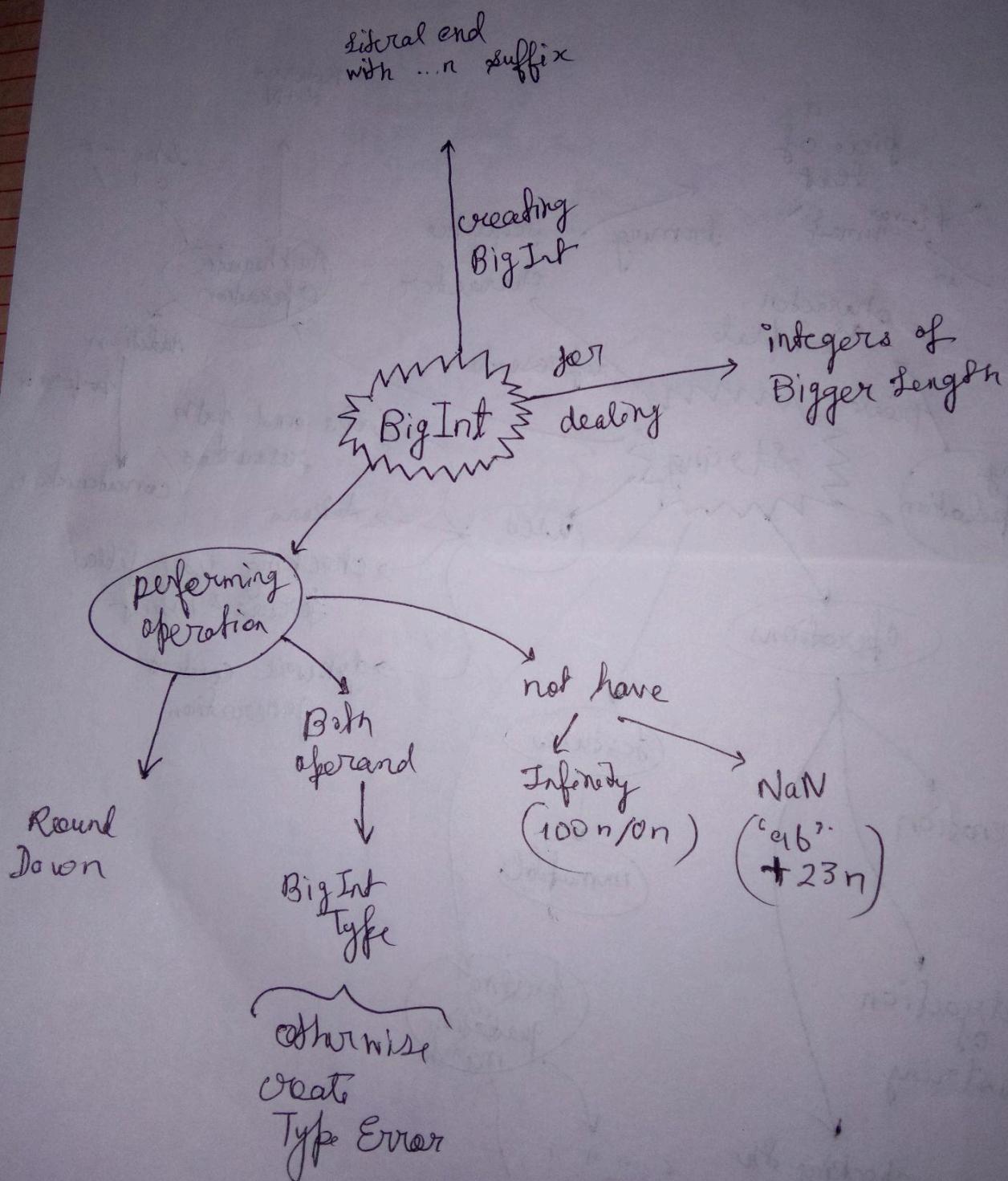




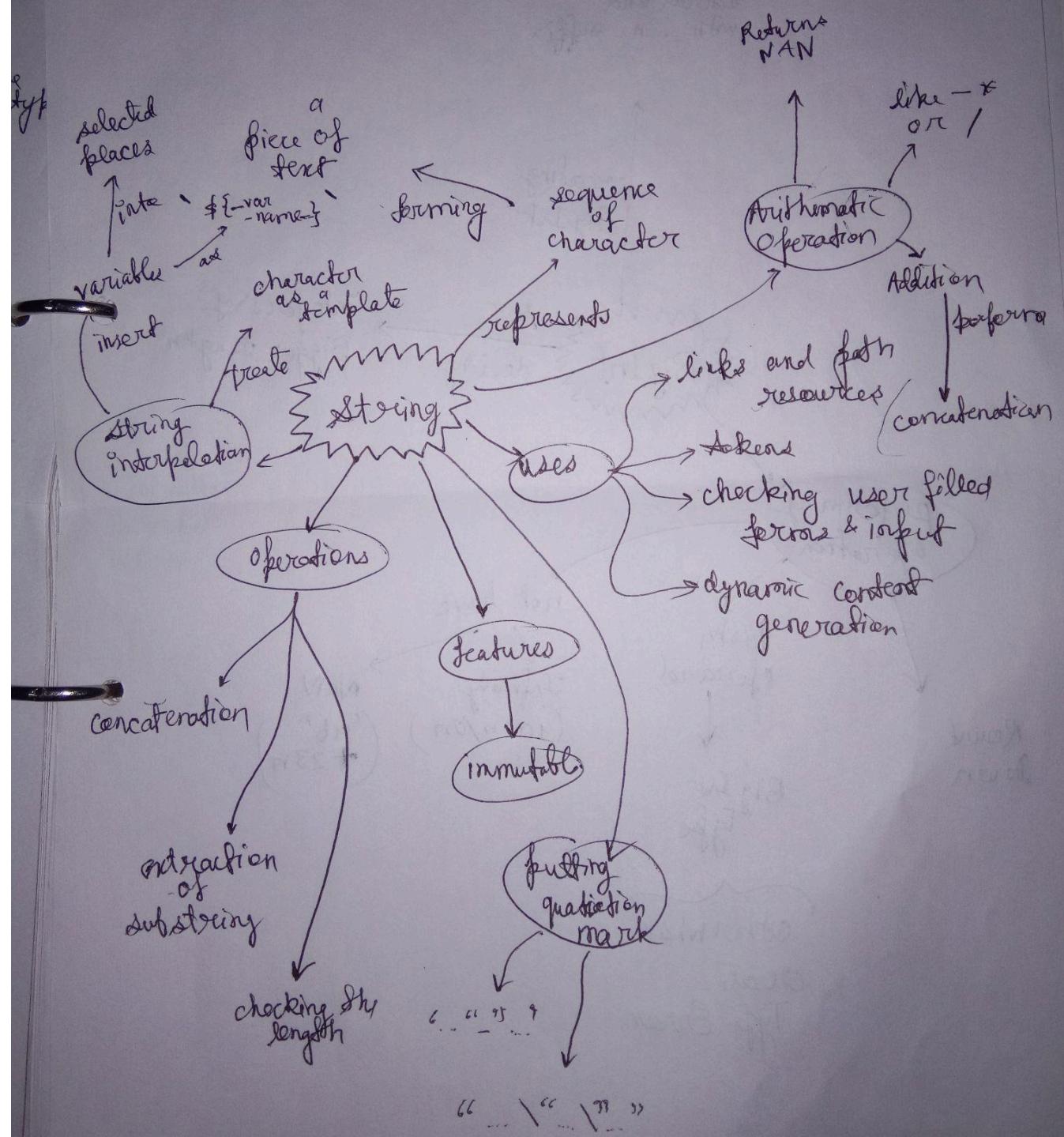
Q 3: Explain Number Datatype in J.S.  
Boolean



Q5: Explain BigInt Data Type in JS.



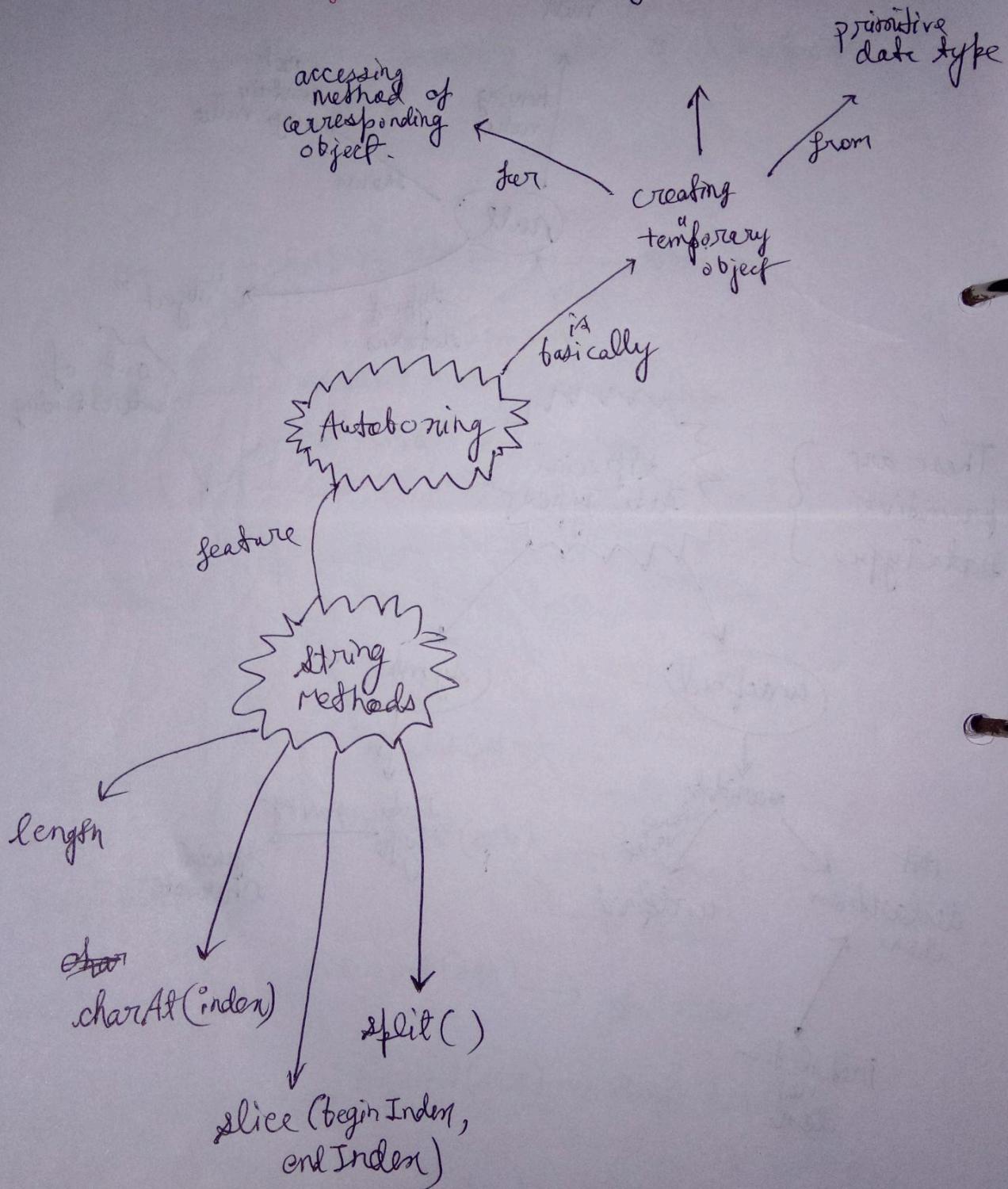
Q6: Explain String Data Type in J-S? Also tell string interpolation



## Part 2



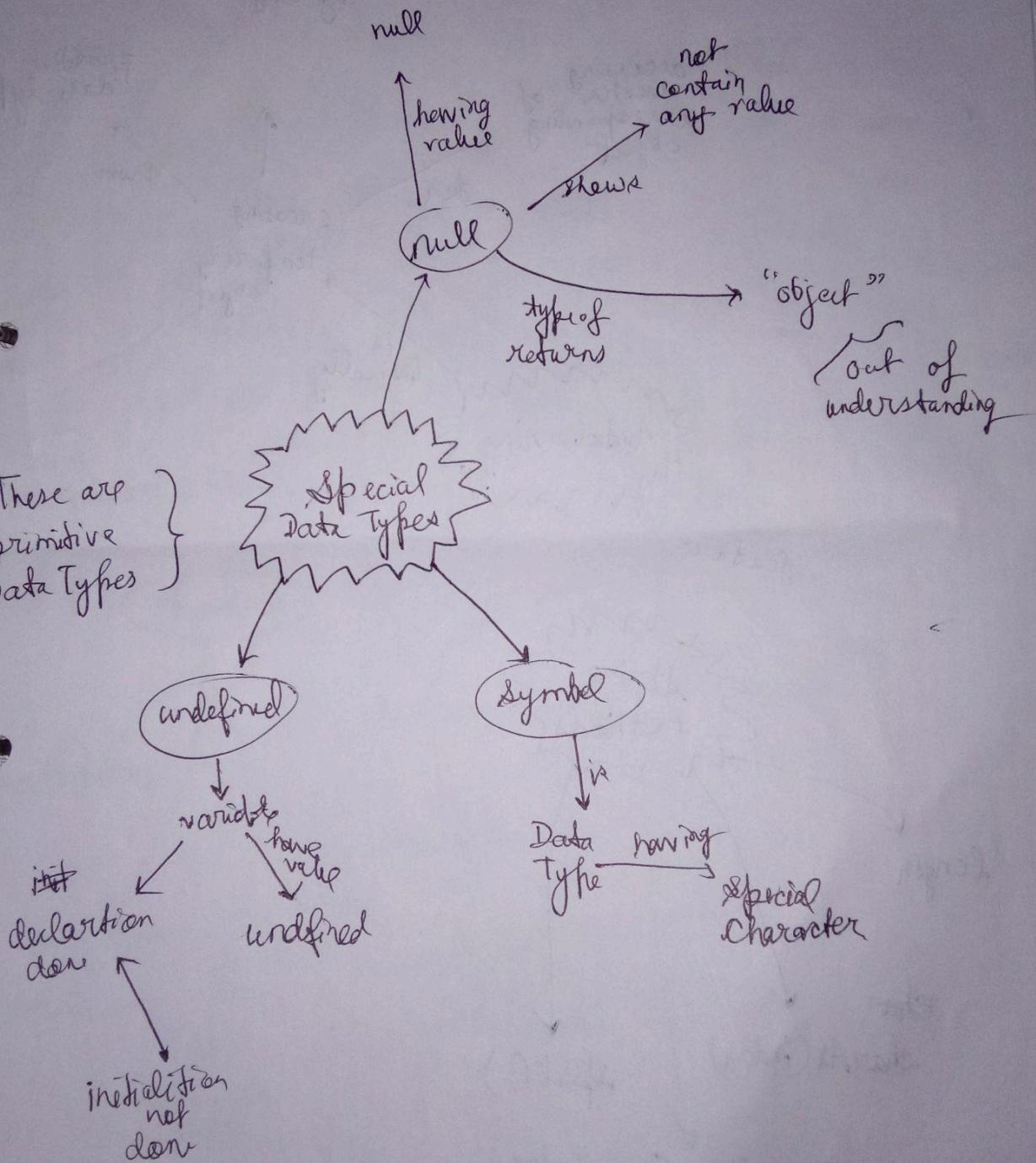
Q7: What is Autoboxing in J.S., tell commonly used String Methods  
By using dot



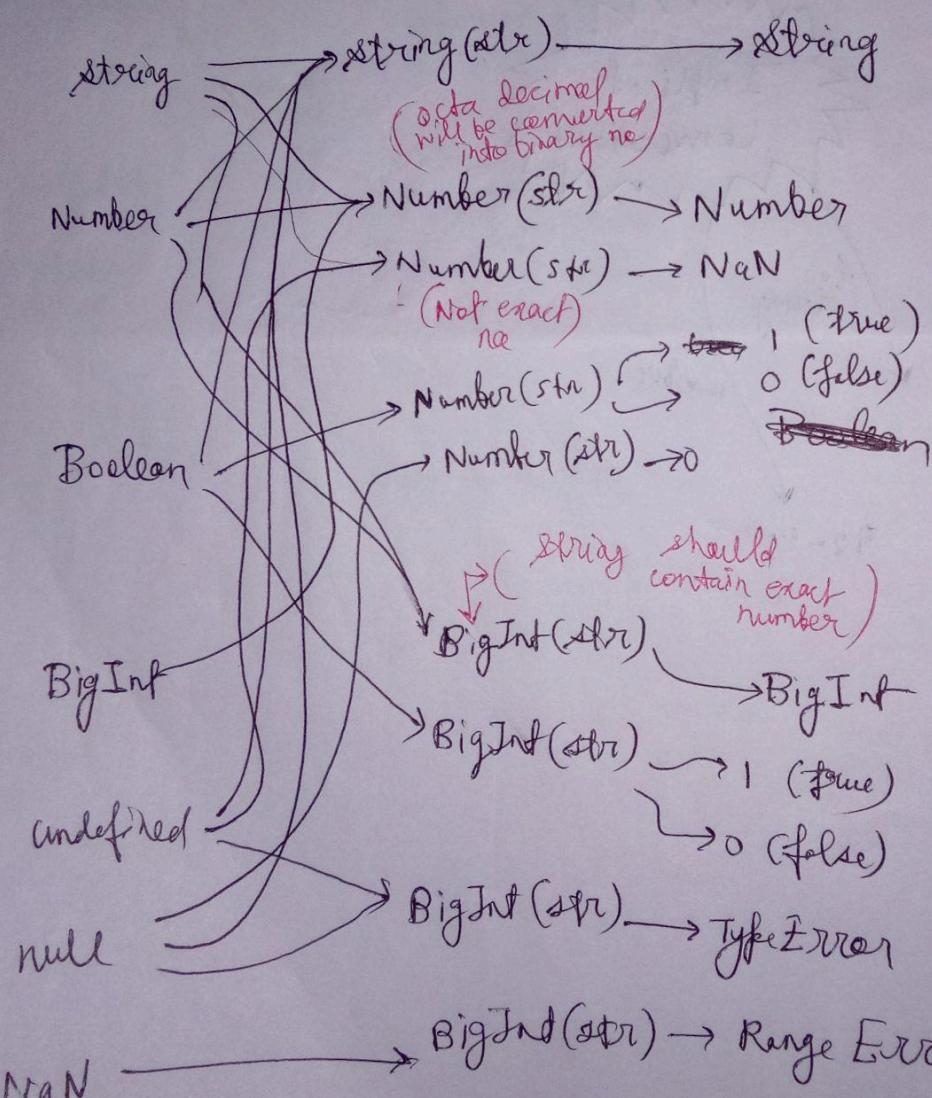
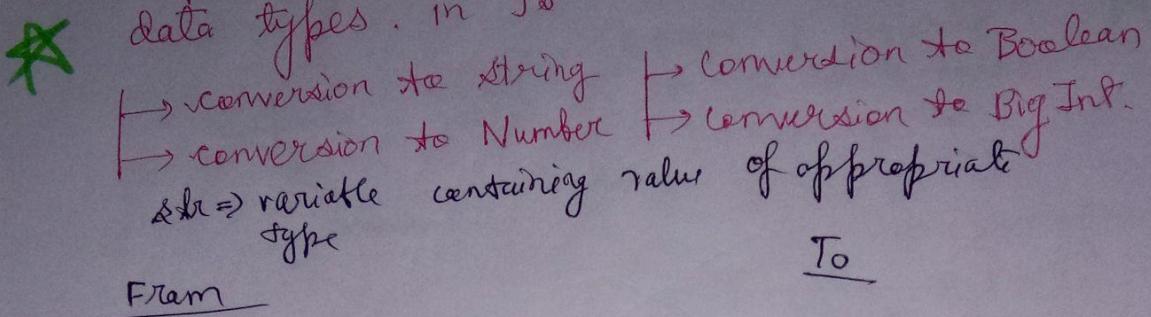
Q8:- Describe the terms undefined, symbol, null



These are  
primitive  
Data Types

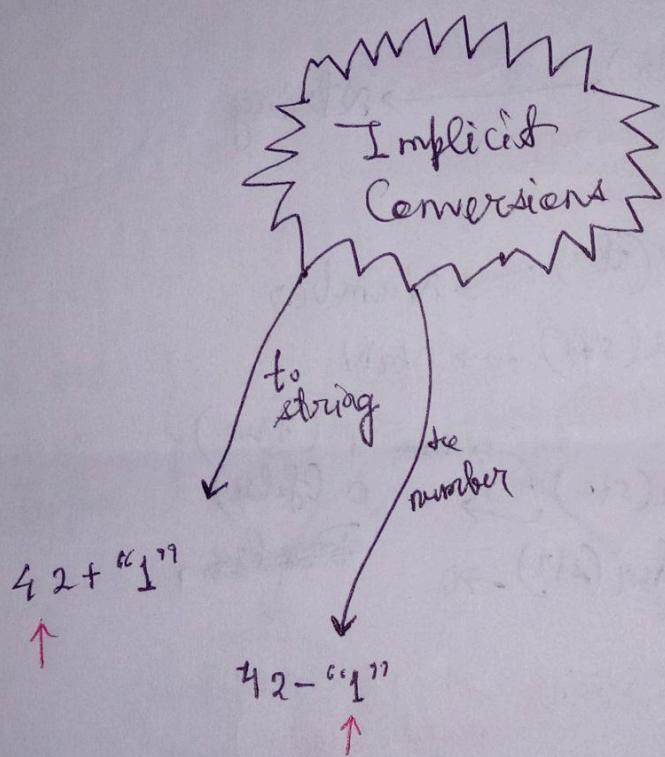


Q10: Represent the type conversion of various data types in JS



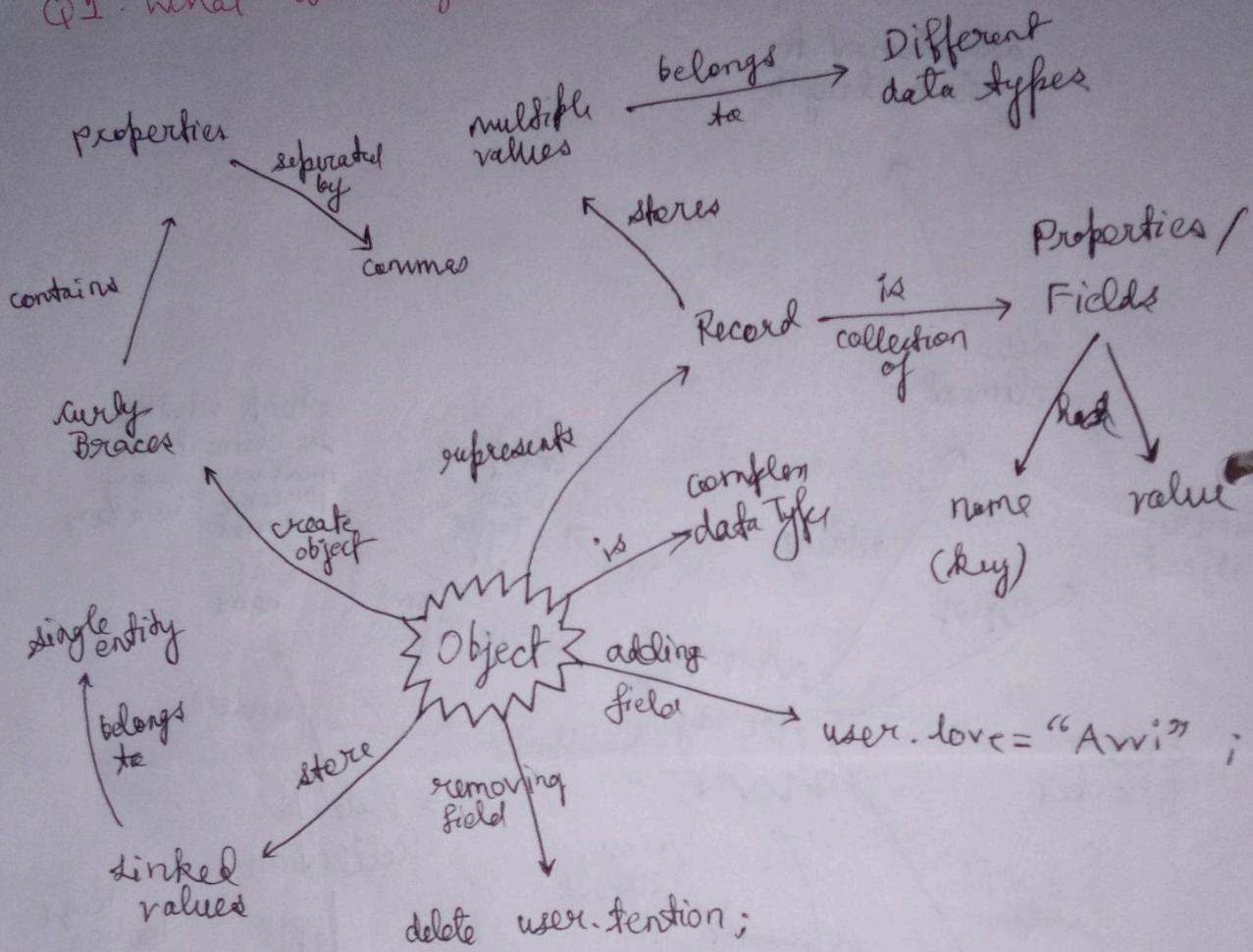
`Boolean(str)` → `false` {  
 0, `NaN`,  
 empty string,  
`undefined`, `null`  
 }  
 → `true` (other)

Q11: Describe Implicit Conversion in JS



### Part 3

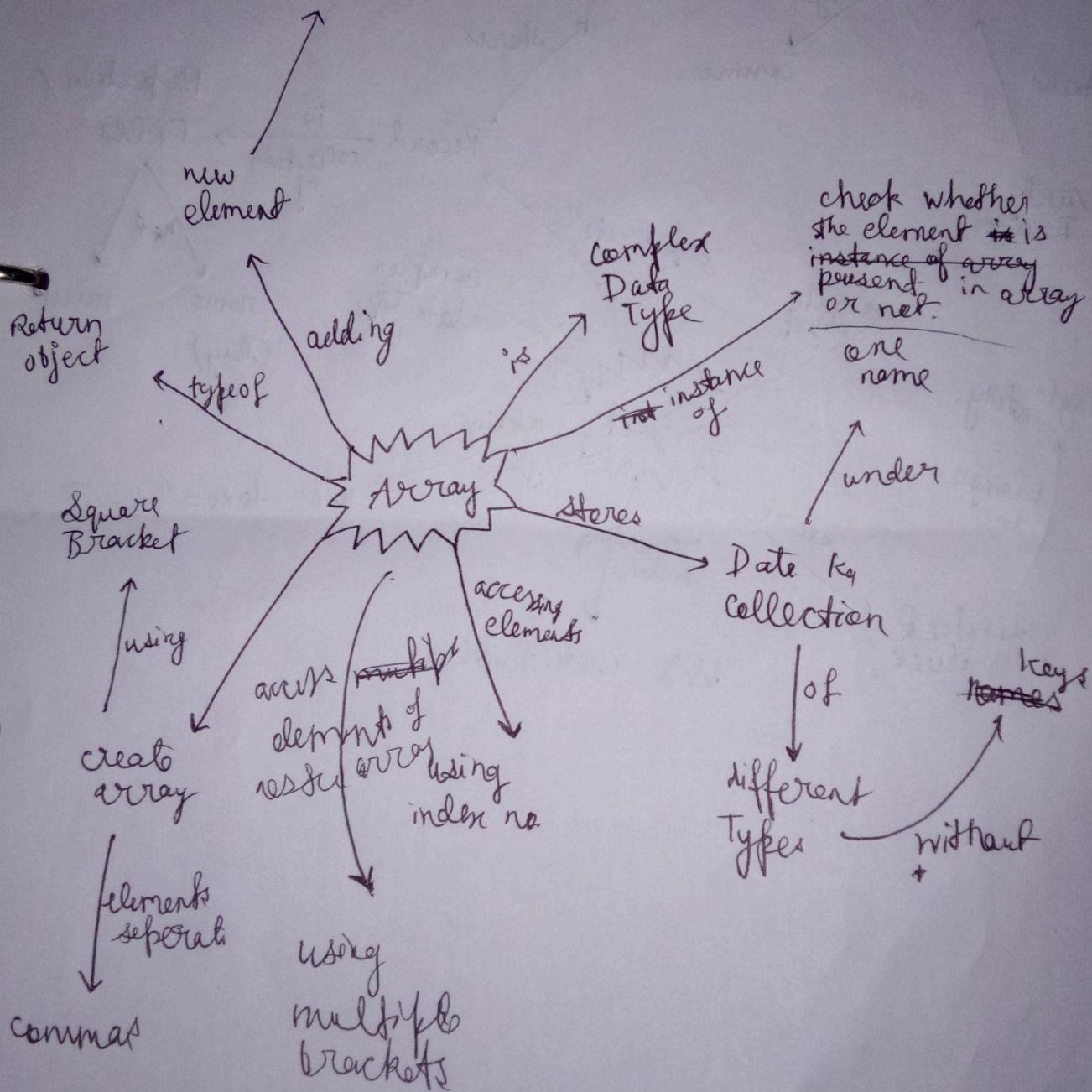
Q1: What are objects in JavaScript?





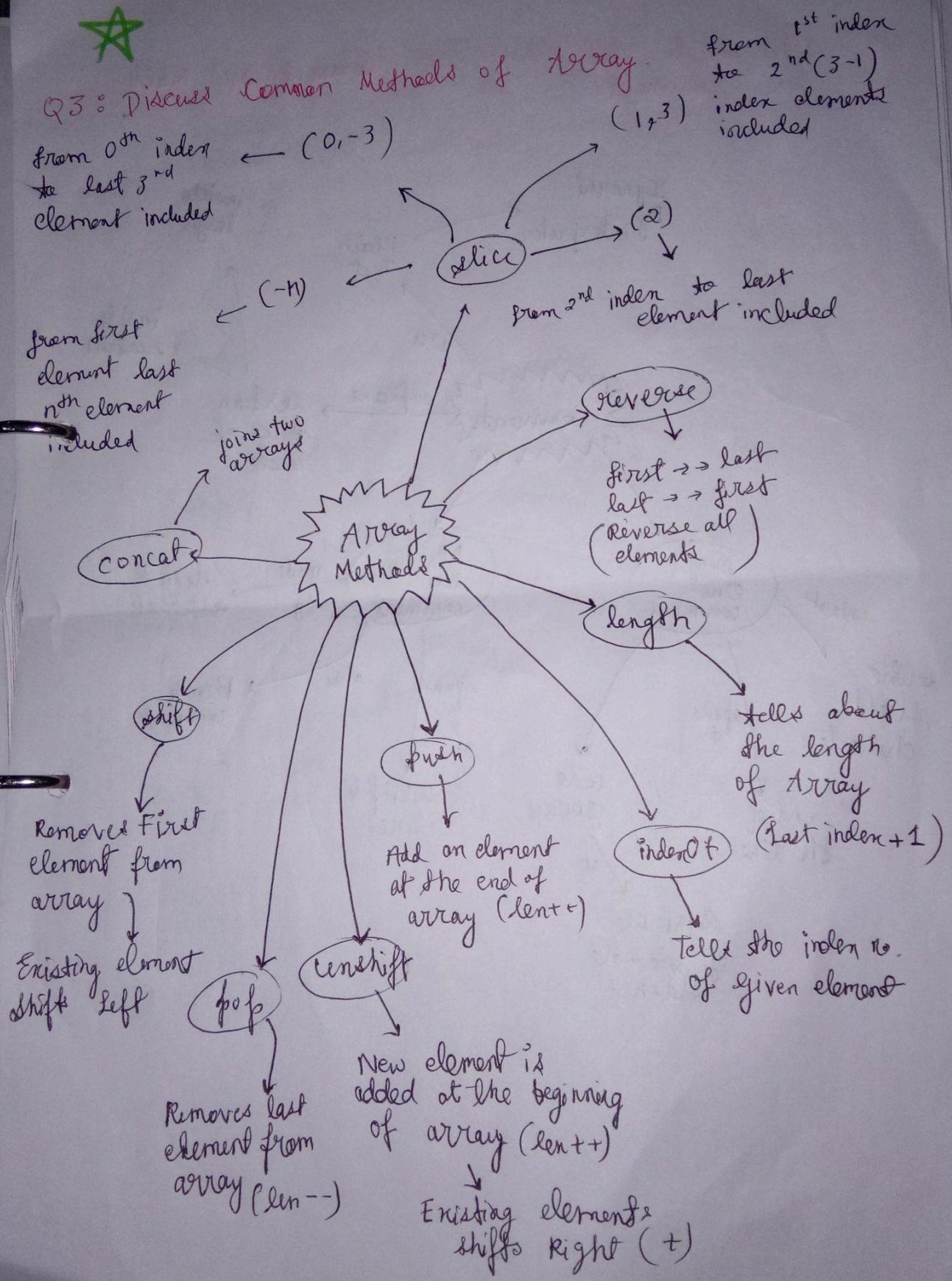
Q2: What is Array in JS.

add element to  
index = length

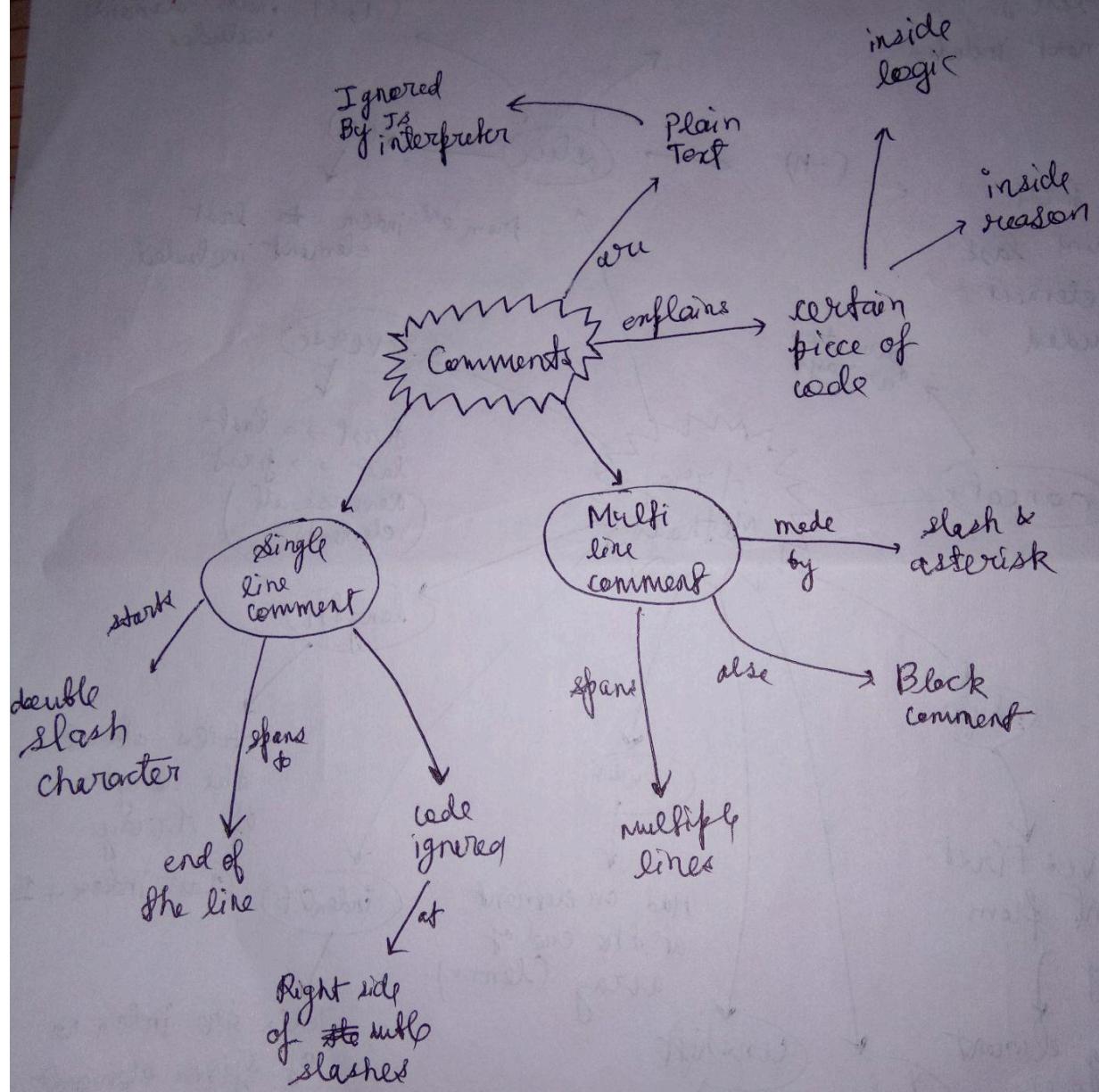




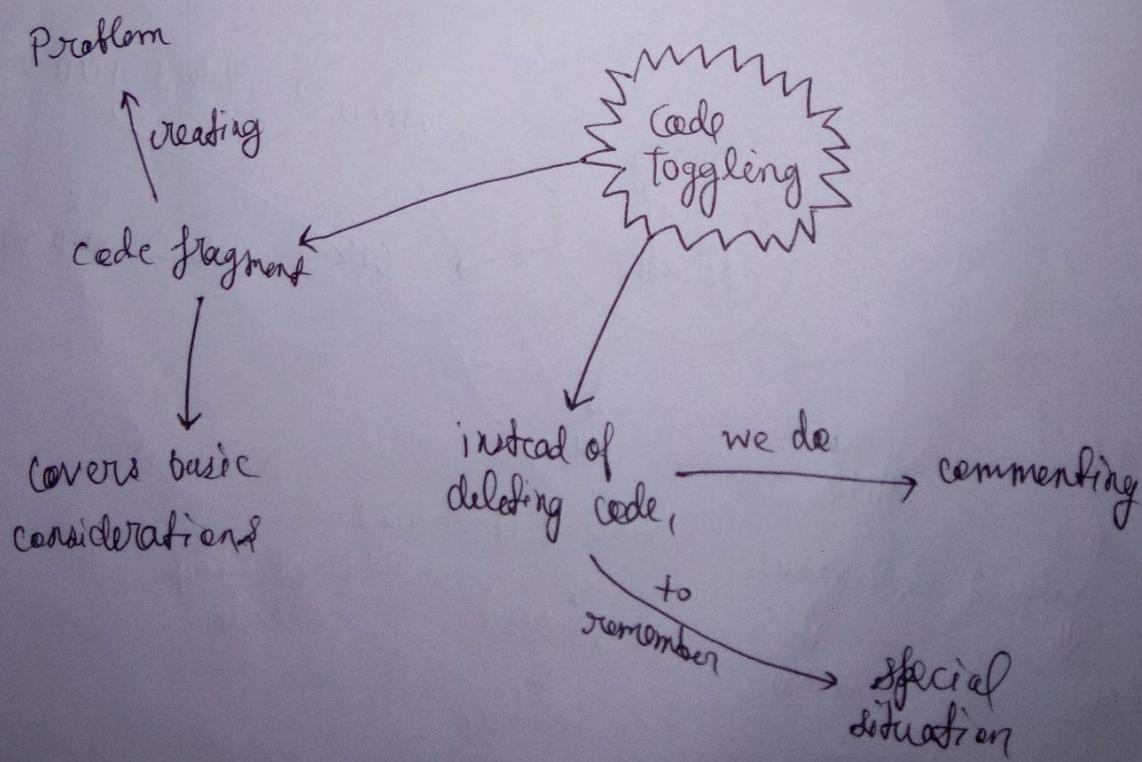
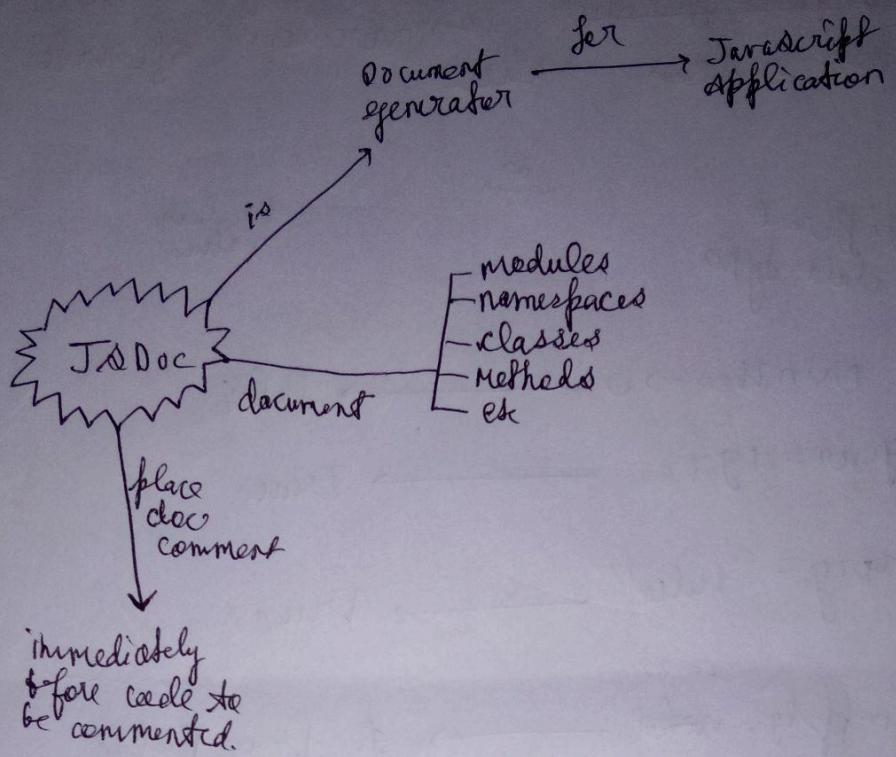
Q3: Discuss Common Methods of Array



**Q4 :- Differentiate b/w single line Comment and Multi-line comment.**



Q5: What is JSDoc? What is Code Toggling

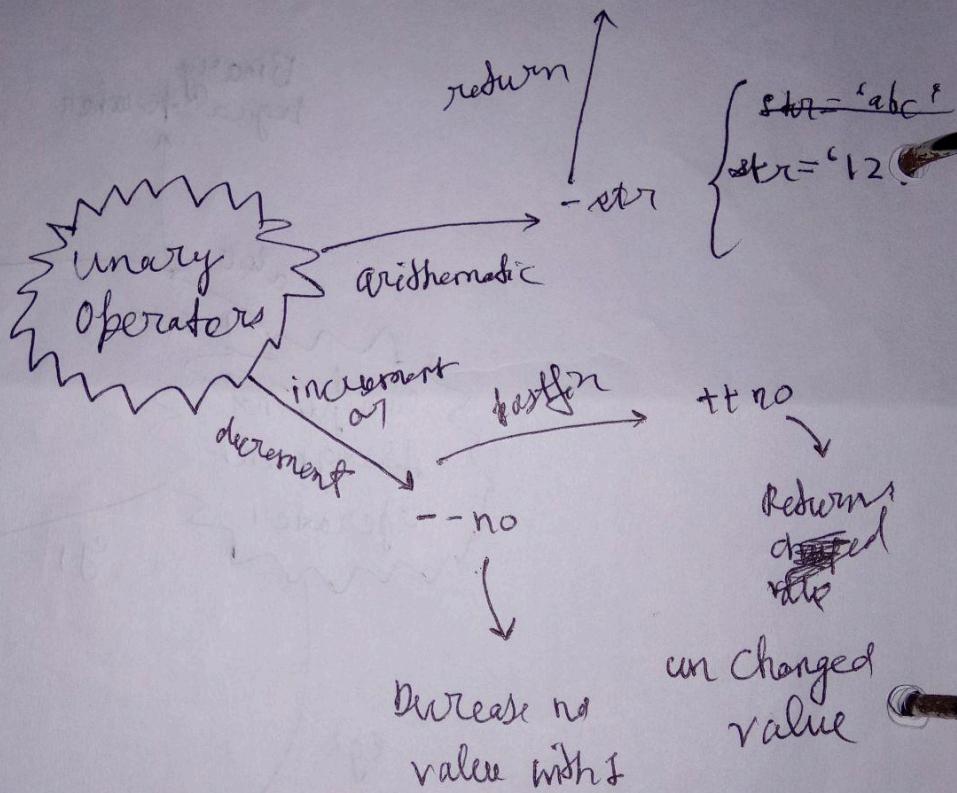


## Part -4

~~Q1: Describe various types~~  
 Q1: Tell about some unary operator in JS



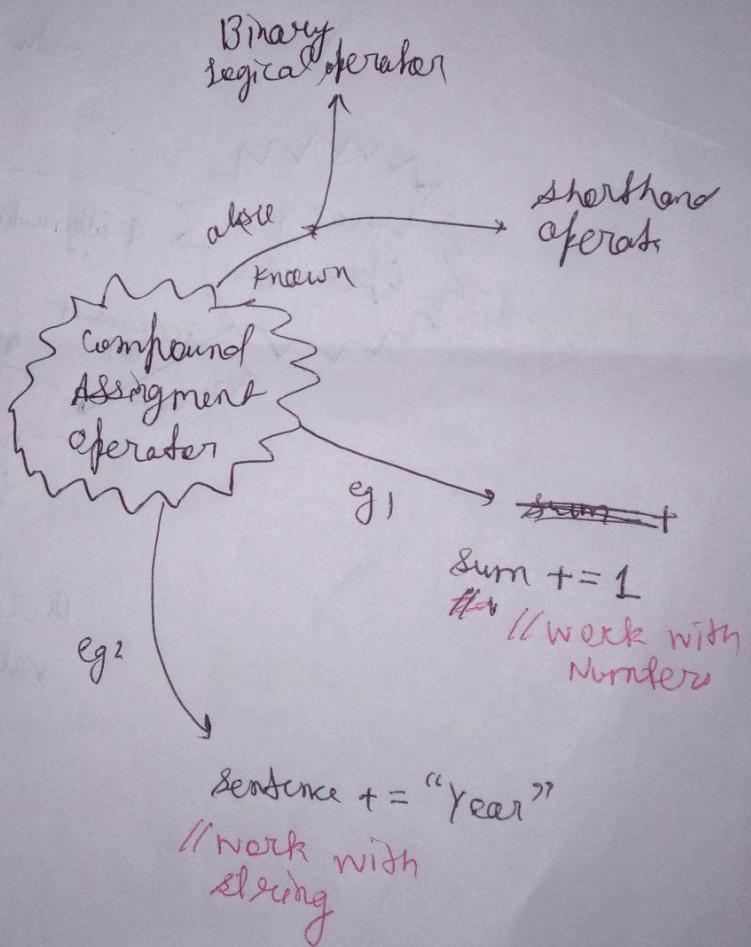
-ve numbered  
value.



## Part - 4

Q2: What are literals in JavaScript?

Q2: What are compound assignment operator in JS. [also, what is shorthand operator, also binary logical operator]



## Part -4

Q1: Describe the various types of operators in J-S.

Q3: Explain the working of Logical operator & compare it with comparison operator with non-boolean values

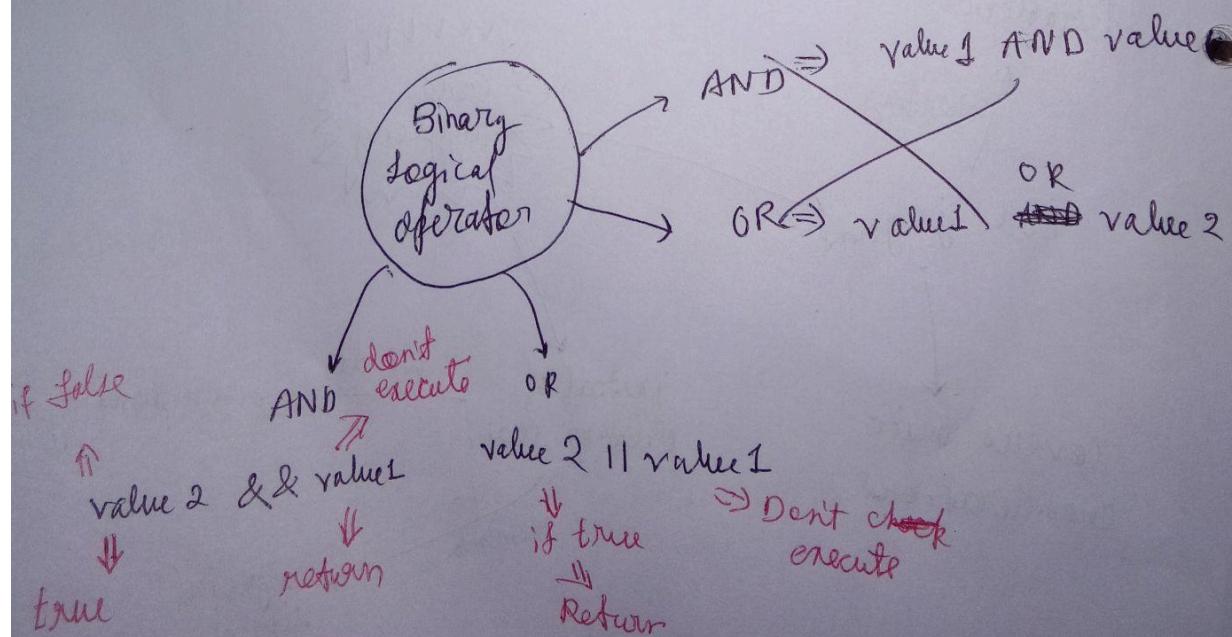
 → Boolean values  
different data types

Number → 0 → False

year = 1970 → True

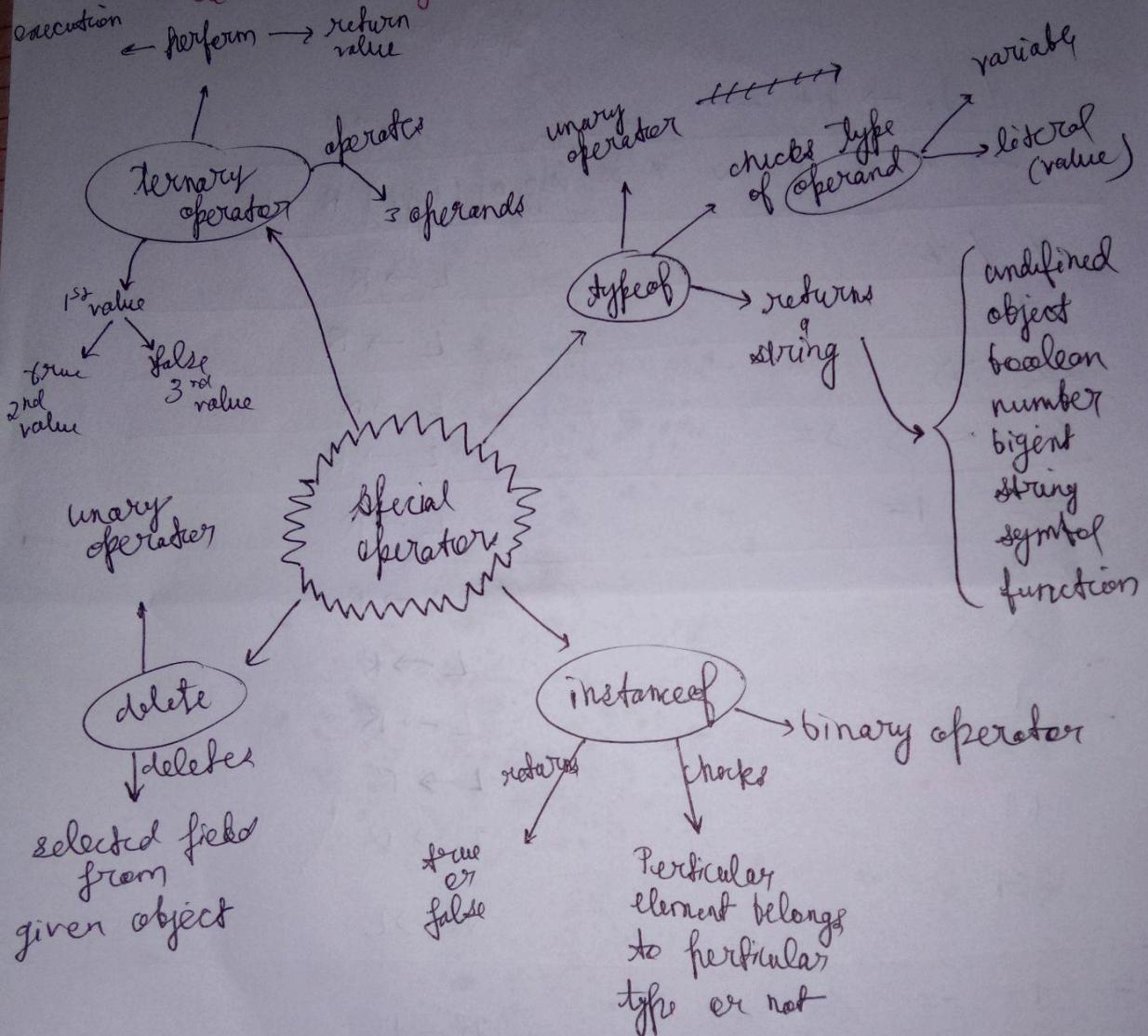
strng = "Hello" → True

empty = ~~null~~ → ~~False~~ False





Q6: Describe the working of typeof, instanceof, delete & ternary operators



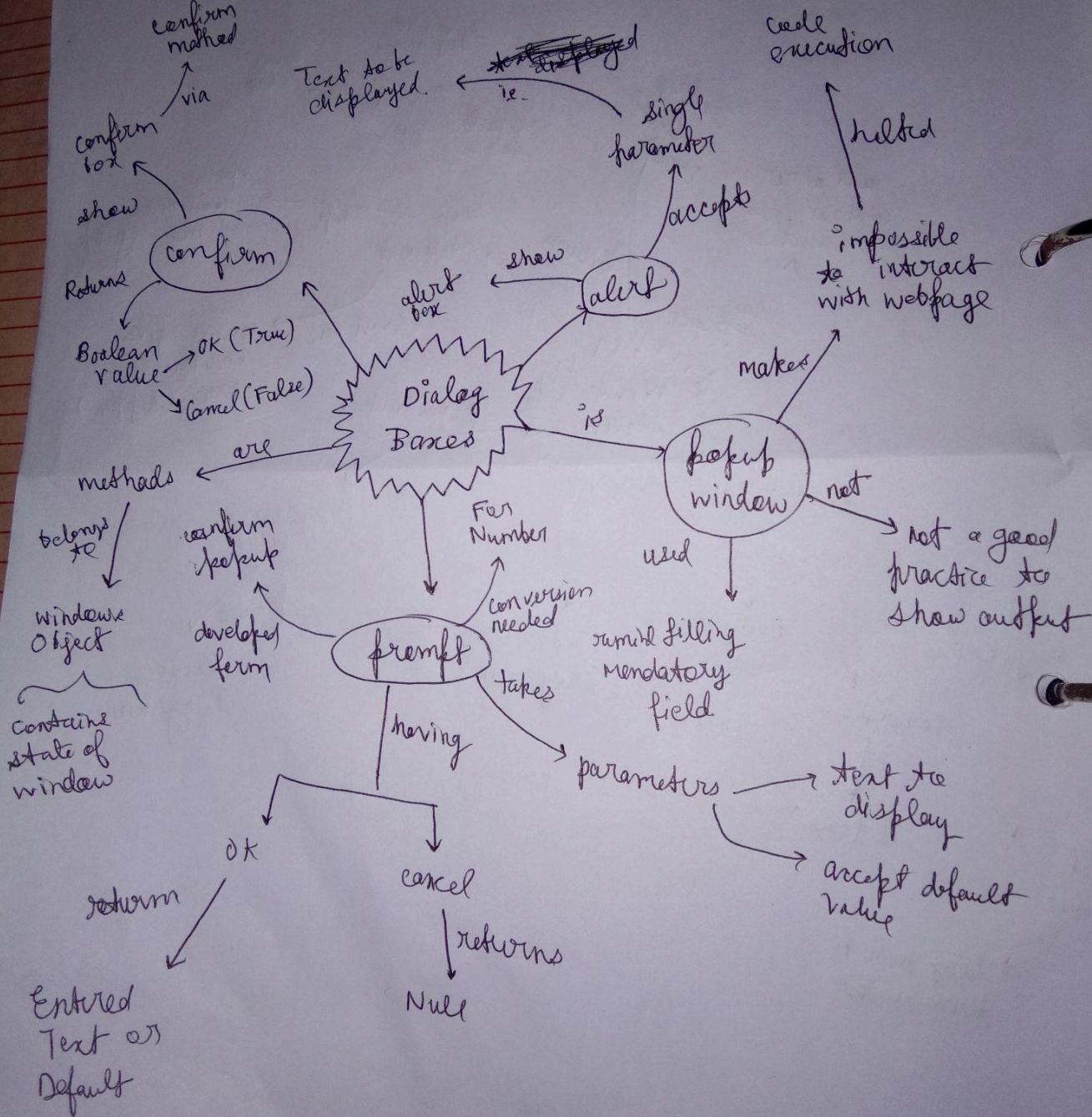
**★**  
 Q7: Discuss the Precedence & associativity in S.I.  
 (including table, example, discussion)

Pre fix	( ), → ++ --	Post fix	L → R
++ -- + - ! ~ * & sizeof(type)			R → L
* / %			L → R
+ -			L → R
<< >>	Bitwise left & right shift		L → R
< <= > >=			L → R
== !=			L → R
&			L → R
^			L → R
			L → R
&&			L → R
			L → R
? :			R → L
= += -= /= %=			R → L
* *= /= >= <<=			
*,			L → R

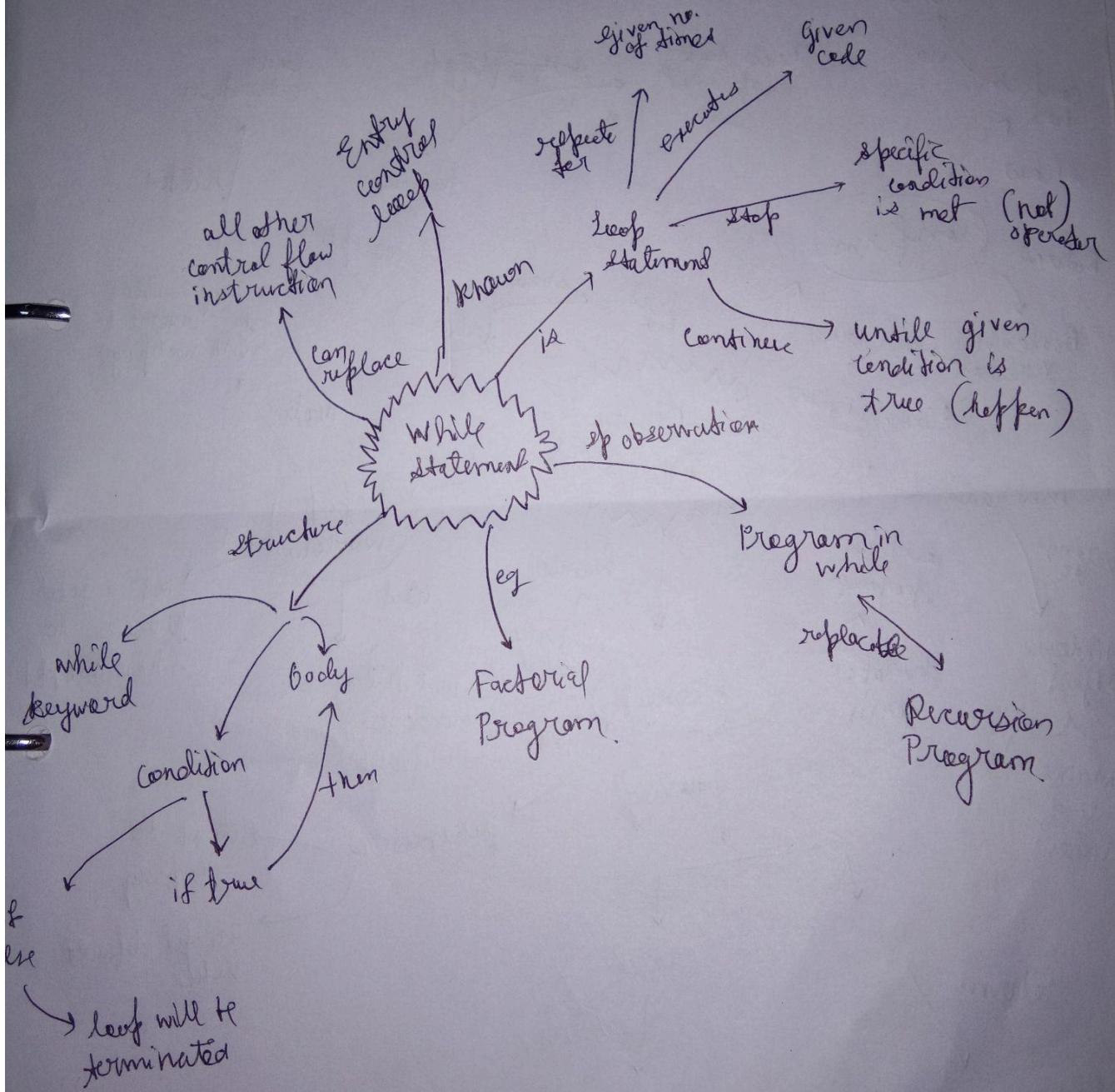
Note: Associativity Right to Left

↓  
 Unary, ternary, Assignment operators

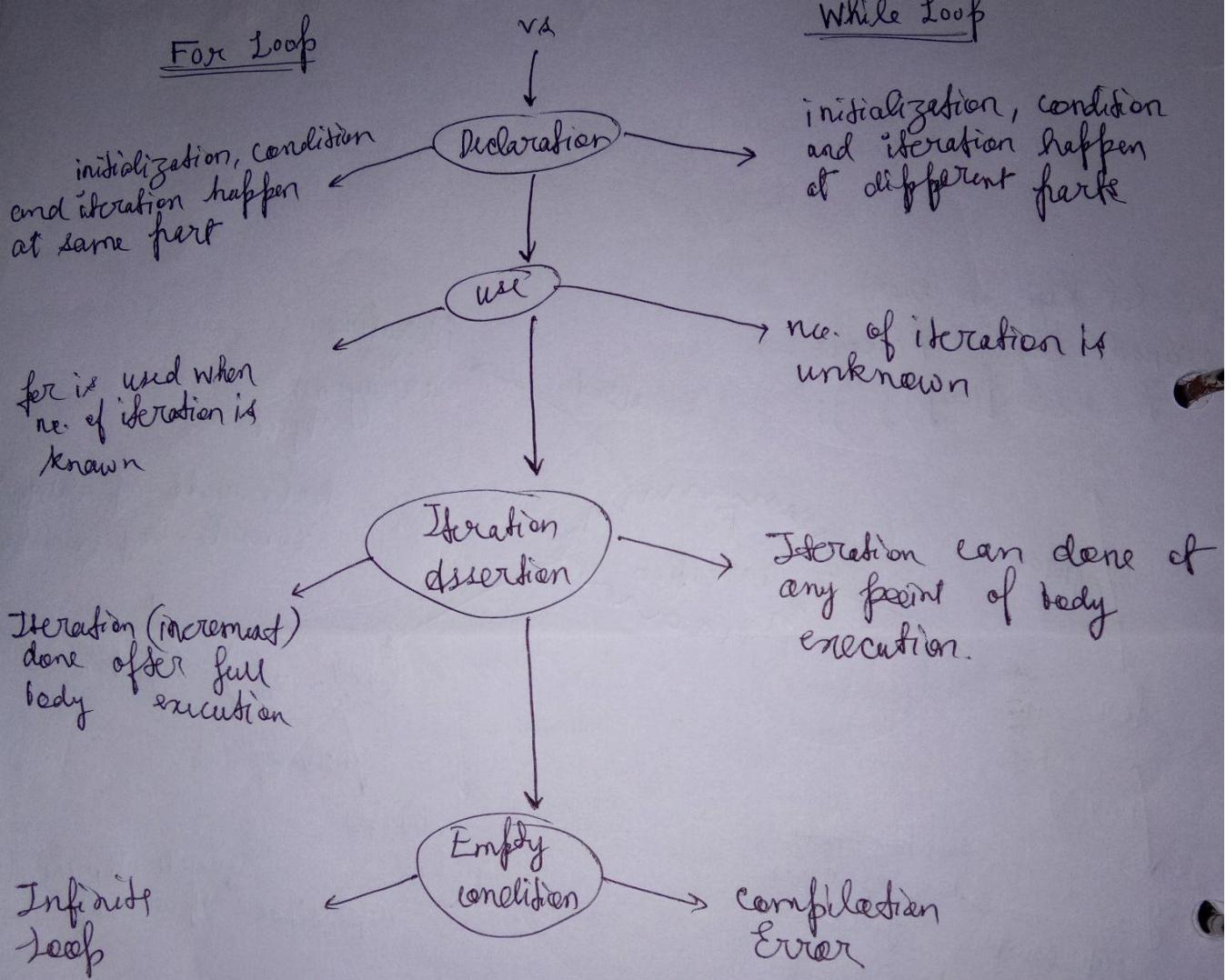
**Q8: Describe Dialog boxes in JS (alert, confirm, prompt)**



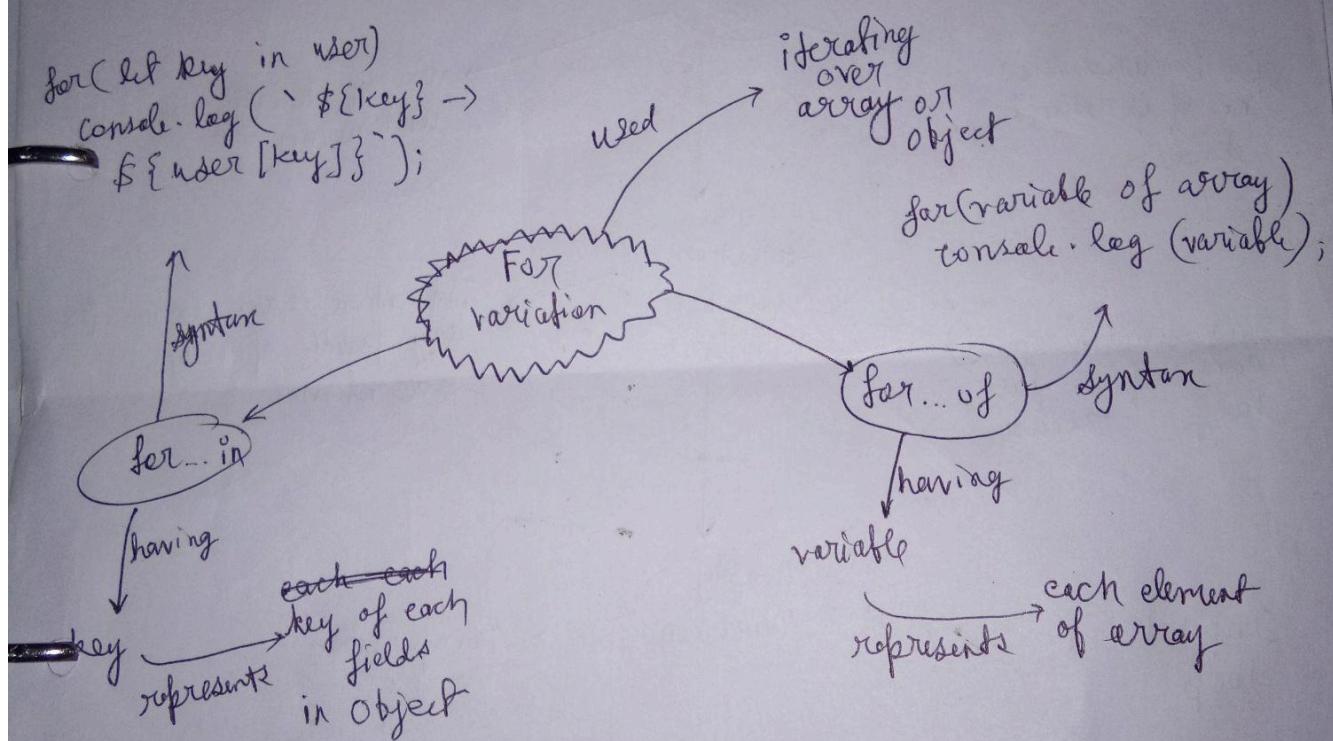
**Q9:** What is the importance of while statement. Write a program to show the working of while statement



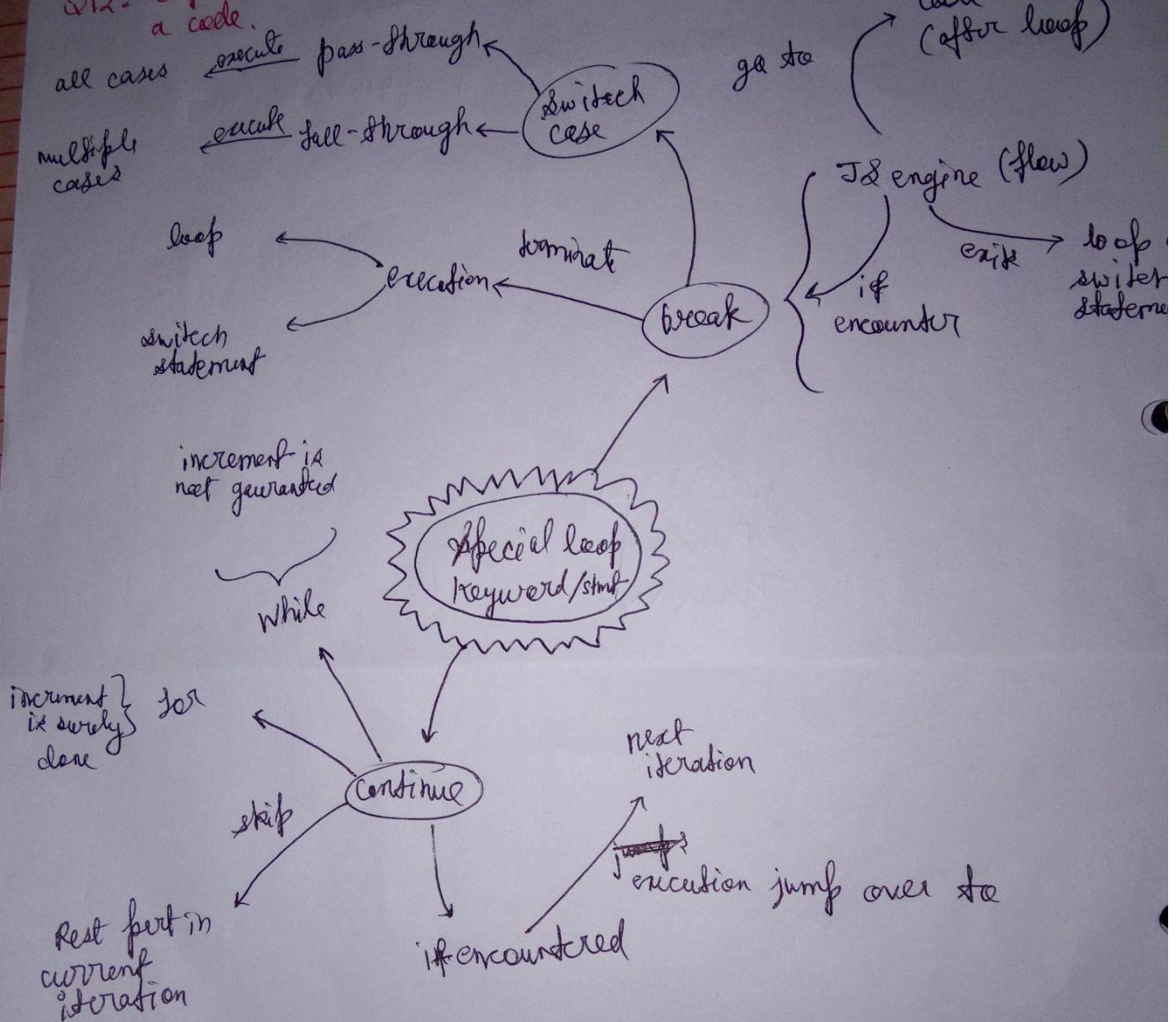
**★**  
Q10: What is the difference b/w for loop and while loop.



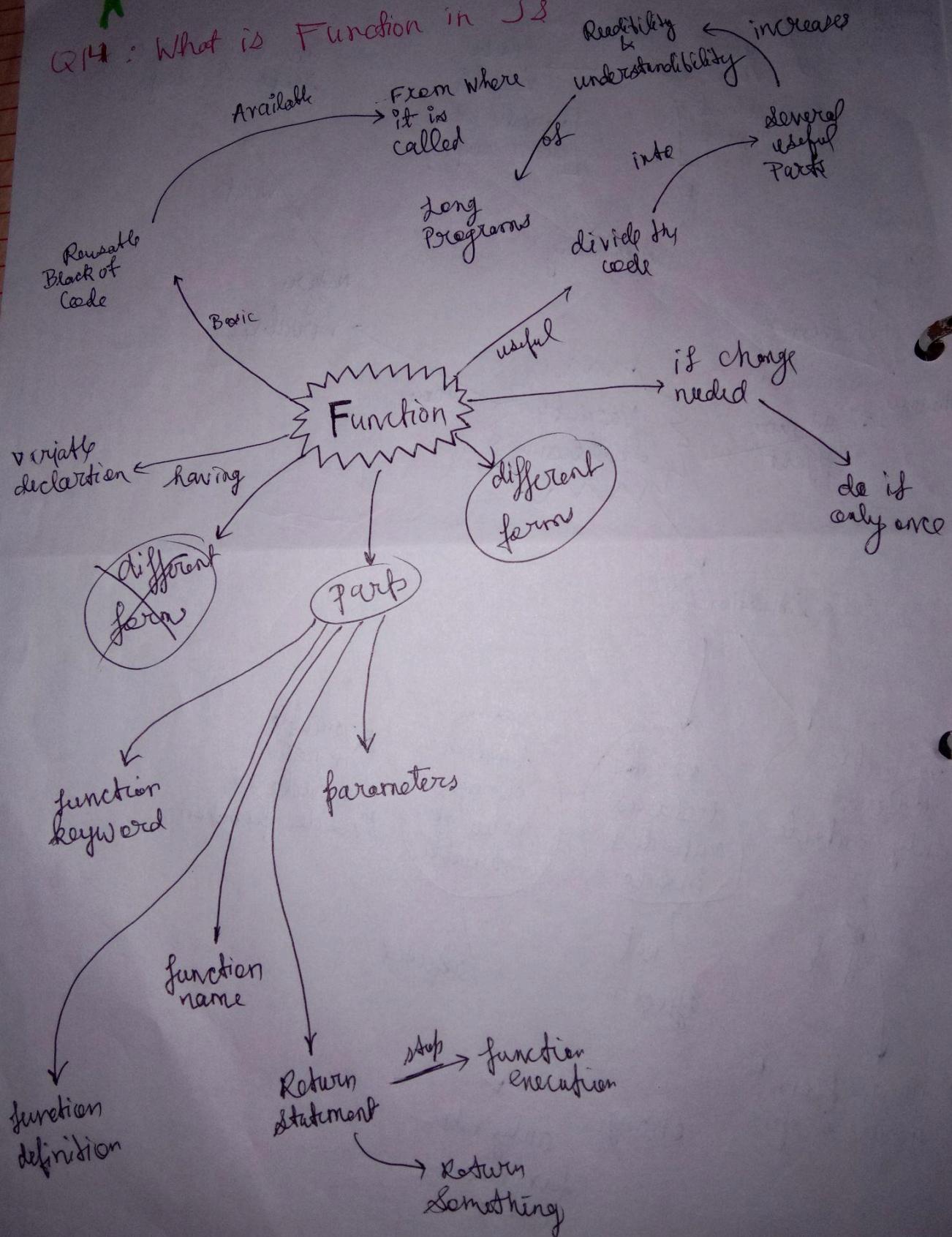
**Q11 :-** Describe for...of & for...in variation. Write a code.  
Also tell how to embed variables into the string.



\* Q12 = Explain the working of break & continue statement with a code.



## Q14: What is Function in JS



## Or Differential Function Declaration & Function Expression

### Function Declaration

Creating a function with a specific Name  
(<sup>only</sup> Named Function supported)

### Function Expression

Assigning function as a value to a variable as a expression  
Anonymous Function & Named Function supported

Possible

Arrow function can't  
~~be formed~~

Defn

Other name

Having

updat

No Possib

Arrow Function can  
be formed

## Q1) Describe Generator Function in JS



→ No → D & M  
Reused  
function \* testGen() {  
 yield 1;  
 return 2;  
}  
let test = testGen();

(act like  
collection)

test.next();  
generator object

return  
keyword  
last value

generator  
Function  
uses  
astisk  
Return

yield  
keyword  
↓  
generator  
object  
↓ gives  
mini  
object

generator  
object  
(iterable)  
object

iteration using next()  
↓  
pause      resume

having  
value ← by  
yield  
def keyword

## Q1. Describe constructor Function

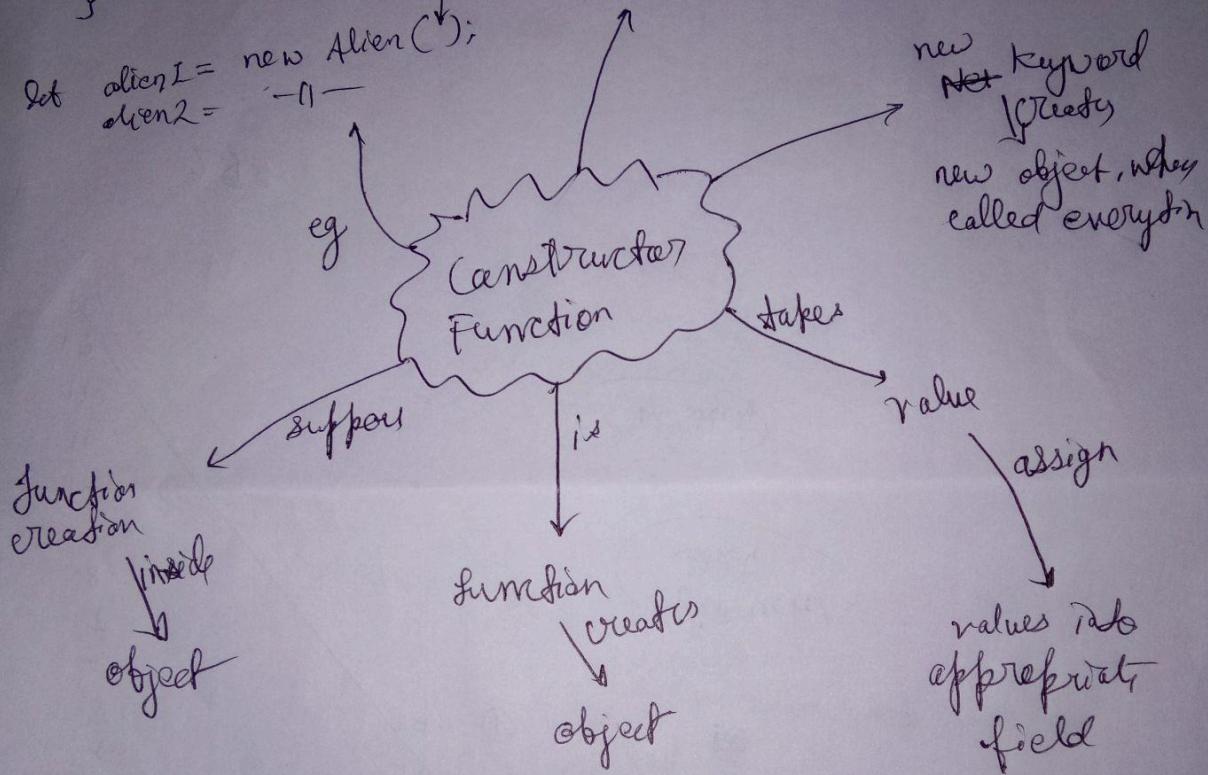


```
function Alien(name, tech){  
    this.name = name;  
    this.tech = tech;  
}
```

```
let alien1 = new Alien();  
alien2 = -n-
```

this keyword

using the entered  
value and assigning  
to the object field



Q:- Describe getter & setter ~~Method~~ functions



space

based  
on

split()  
extract  
values

```
const person = {  
    firstName: "Mohit",  
    lastName: "Patel",  
    fullName() {  
        return `${this.firstName} ${person.lastName}`  
    }  
};
```

eg  
getters

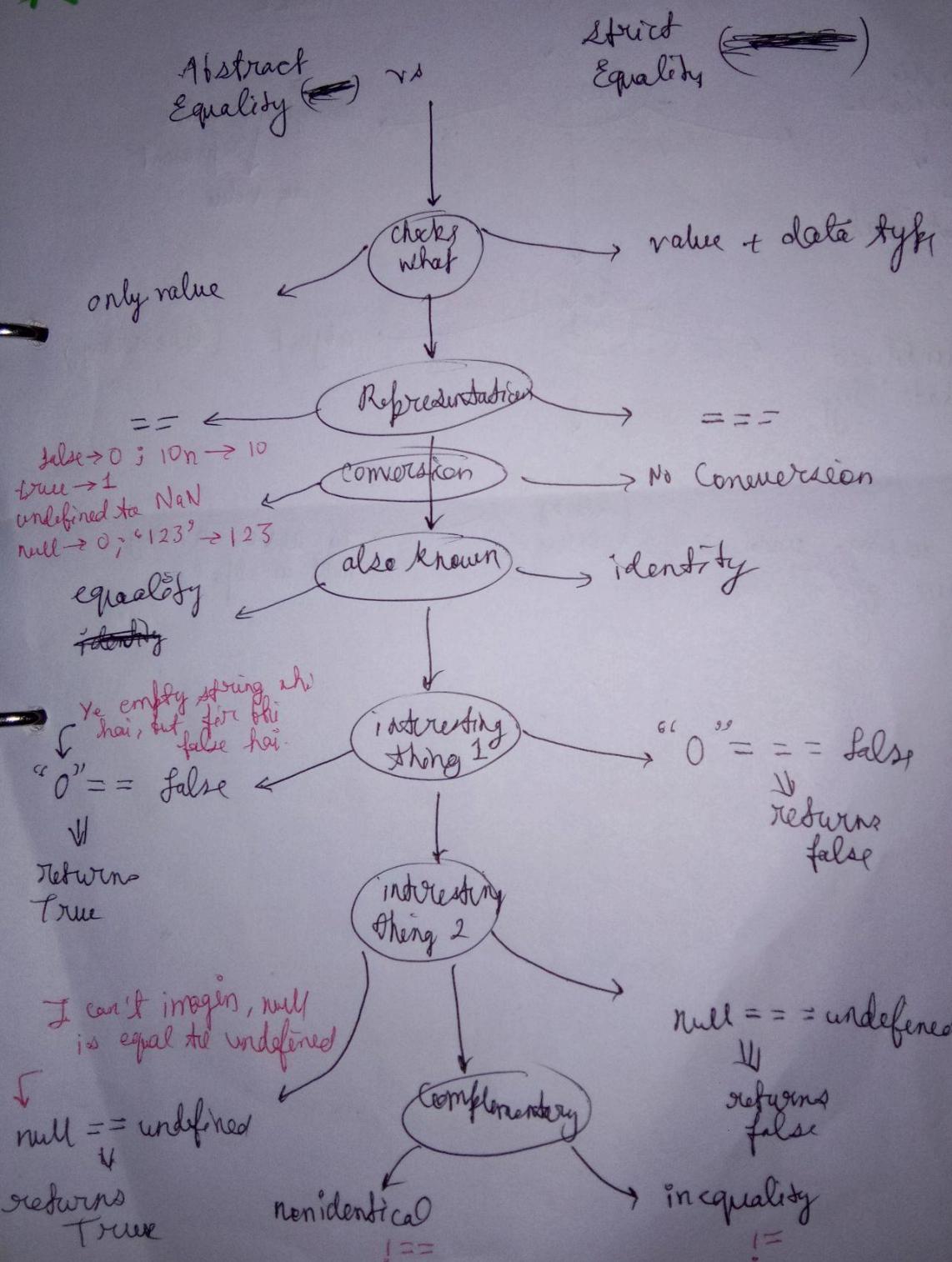
use

setters

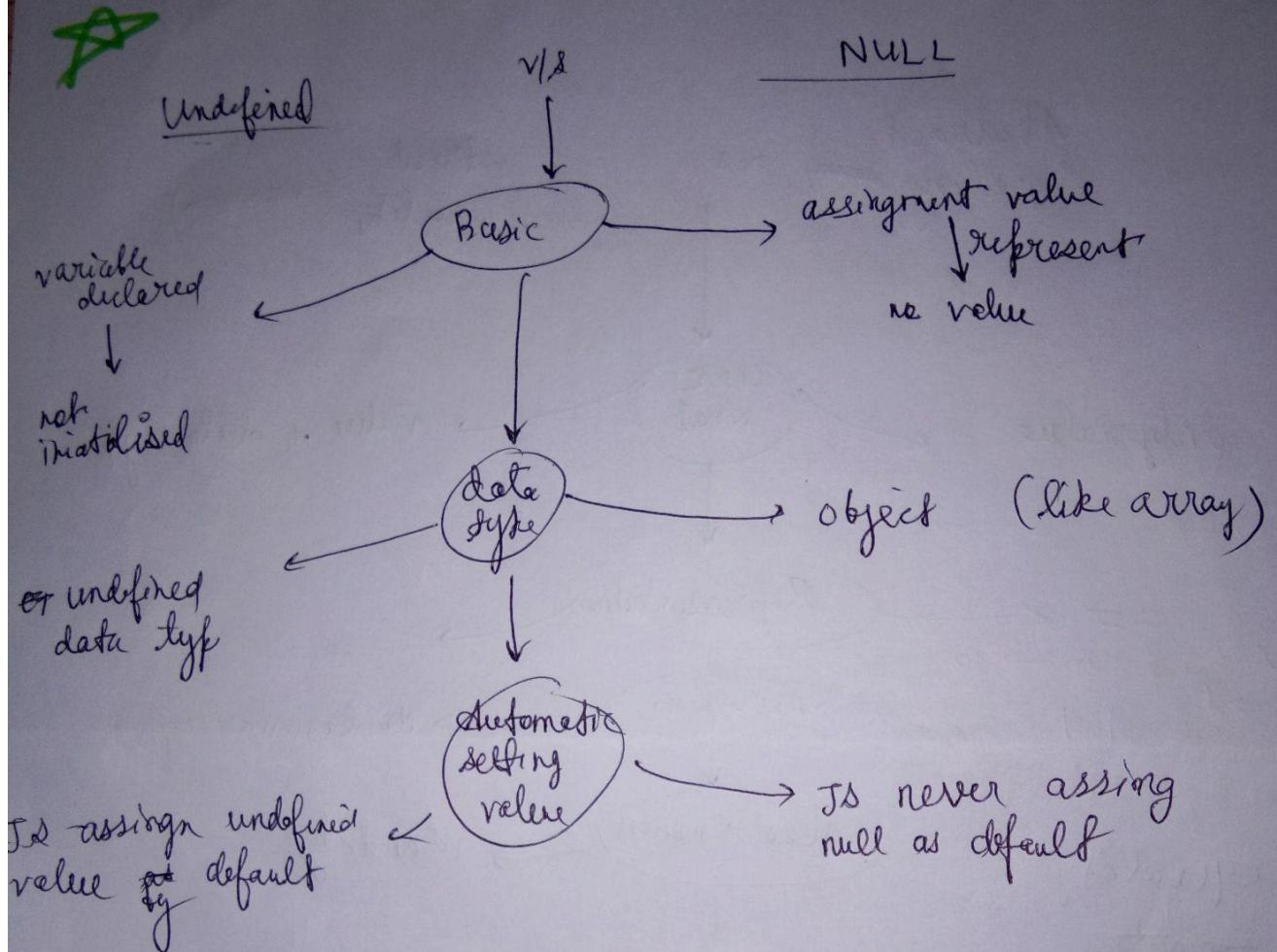
changing properties  
in safest way &  
easiest way

function keyword  
not needed  
get is used  
access properties  
in organised  
form

Q4: What is the difference b/w identity and equality  
 operator.



Q5: What is difference b/w undefined & Null.



Js

Diffe bw scripting and programming