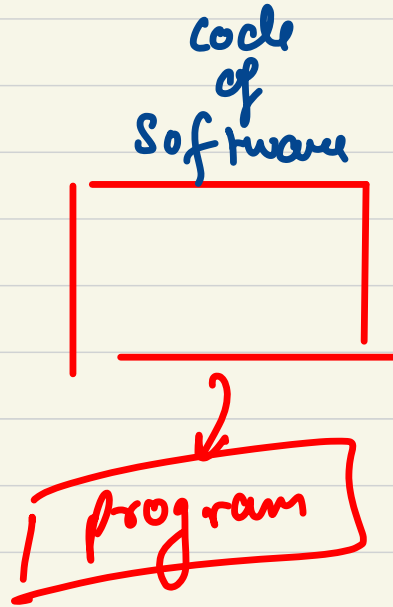
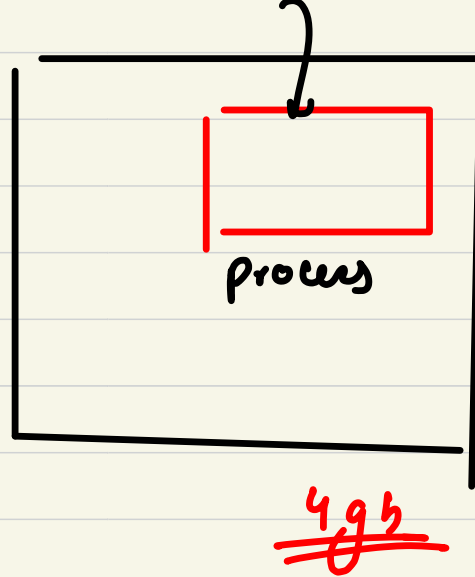


Basics Of JS

RAM allocated  
512 mb



run →



2 RAM

Program in a running state is called  
process.

## Key words

↳ In a programming lang, few words are reserved by the lang for its own purpose.

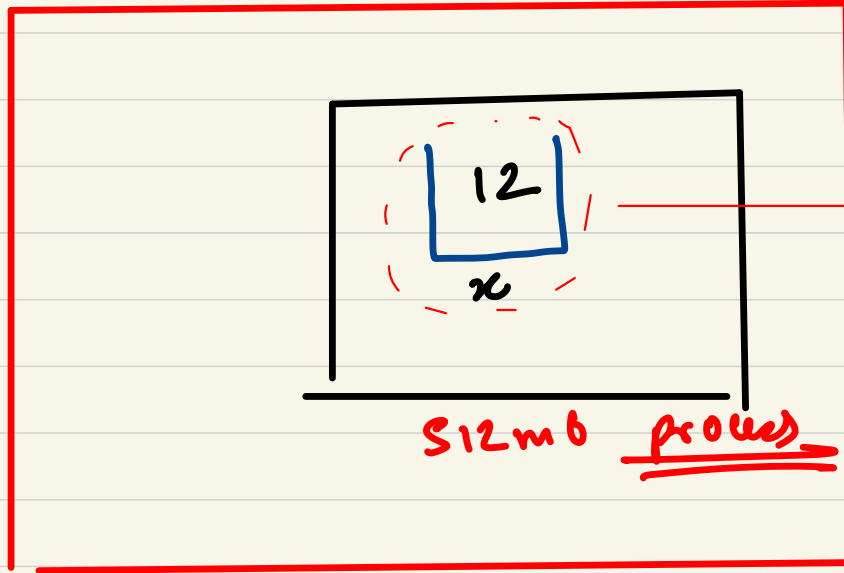
We cannot change their meaning or repurpose them for a different use case.

for ex → In JS few keywords are -

let, for, const, if, else, return etc.

How can we store some values inside a program

→ To store values we can use Variables.



↙ Ram

→ Variable

↙  
Inside them we  
can store data.

Variables are memory buckets that store our values & has a name as well.

javascriptfile →

.js extension

index.js  
demo.js

↳ open vs code

↳ click on file → click on open folder

↳ In the popup create new folder

↳ Once you created a folder open it.

↳ Click on "new file" icon inside vs code.

↳ In the dropdown name your file &  
press enter →

↳ How to create variable in JS ??

3 ways to create variables →

1) using **var** keyword

→ var .variable name = value ;

for ex

var marks = 90 ;

90  
marks

var score = 5 ;

5  
score

2) using **let** keyword

Syntax → `let variable name = value ;`

Ex → `let age = 24;`

`let flag = 0;`

`24` `age`

`0` `flag`

3) using **const** keyword

const variable name = value;

Ex **const x = 100;**



## Semicolon



one line of JS  
code

Equal to  
one instruction  
that we want  
to give to the  
computer.

one complete,  
instruction is called  
Statement.

At the end of every  
statement in JS we  
can put a semicolon  
(but it is optional)

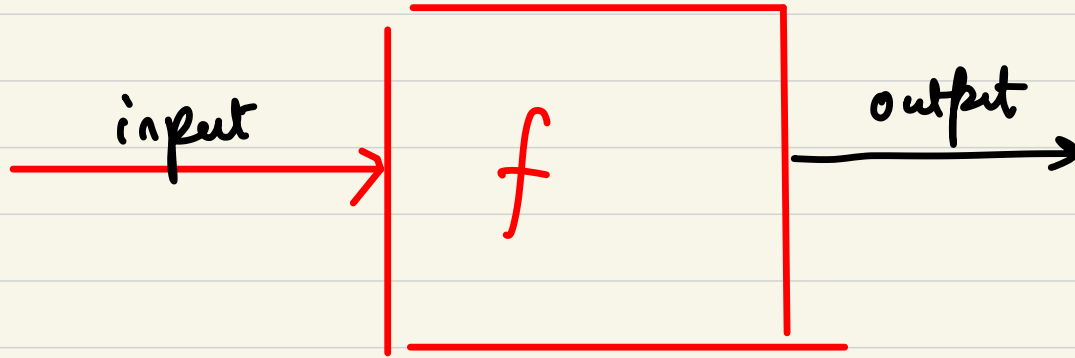
# Naming Rules for variable creation

- 1) Variable can contain small alphabets, capital alphabets, digits, underscore (-), dollar (\$)
- 2) we can't have space or any other special char.
- 3) we should give meaningful names so that reader can identify the names properly.

4) variable name cannot start with a digit but it can have digits in between or at last.

Ex     let 0james = 10;     X wrong syntax

5) We cannot use keywords as variable names.



functions  
as a  
black box

$$f(x, y, \dots) \rightarrow //$$

①

`console.log (10)`



this function takes some  
data as input and

then displays them in the output

→ if we have 2 different `console.log()`, then  
both of them displays / prints output in  
different lines.

we can also pass multiple values together to `console.log`, & all of them will be on same line.

```
let age = 23;
```

```
console.log(10, "starting", age);
```

# What all values we can store in JS??

① Number → 10, -3, 2.6, 3.444,

var x=10; 100, 1000 etc

② String → "Sanket" → double quotes  
! Random Text → single quotes  
- Some text → backtick  
text

var name = "Sanket";

3) boolean → true

0/1

false

} keywords

var condition = true;

→ there are all  
small values.

4) undefined

→ keyword

→ Something not defined yet but  
may be defined later.

var status = undefined;