Javascript

- Javascript is the programming language of the web.

- Javascript is often used to make various web-development projects like making of Swiggy website, designing an amazon clone etc---

→ <u>Ways to print in terminals</u>

(i) console.log("Sunshine")

- It is used to print the message written under single/double ~~b~~ quotes in the terminals.

    eg: console.log("Sunshine")

    ↓

    output :- Sunshine.

- messages can directly be written in the console section under the inspect section

→ <u>Variables and constant</u>

- Variables in javascript are those terms whose values can be changed.

    eg: x = 5 ⟶ value

    ↑
    variable

$$x = 5$$

the value of variable 'x'
can be changed as x can be 9,10 ---

$$x = 9, \quad x = 5, \quad x = 6 \quad \cdots$$

→ Naming convention in variables in javascript.

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(i) Variables names are case sensitive

eg: ankit , Ankit.

these two are different cases
as 'a' and 'A' differs.

(ii) Variables names can only include
letters, numbers, (—) and $

eg: @ Ankit12—$ } × wrong
     Ankit@123   }   practice.

eg: Ankit@123 ×.

(iii) Begining of variables can start with
letter, ~~number~~ or (—) or $.

eg: Ankit123 ✓

123 ankit ×

$ ankit, — ankit ✓

(iv) Reserved keywords can't be used
eg: console, log × (wrong practice)

making of a Variable

- Variable names must be meaningfull.

eg: studentName = "Ram";

variable   value

Printing the above :

Console.log (studentName)

↳ output

(Ram)

eg: console = "Manipur";

↓

(Output: Error) (used of Reserved keyword)

→ const (constant)

- used to assign constant values to the variables

eg: const studentID = 9896

↳ output

(9896)

updating the values in constant

~~~~~~ studentID = 1923

↳ output

(Error)

→ **Let**

- Values of let can be changed but within the same block.
- It is a good practice to use 'Let'

→ **Var**

- Var is an old convention to use.

eg:-

     Var studentName= " Ankit";

     ↳ output

     (Ankit)

updating the values leads to previous update also.

Here redeclar^n occurs.

     Var studentsName="Ankit";

     ↳

     Vau studentsName:"Ankitei";

     output: (Ankitei)