

Java Script:

- it is used for building functionalities in the website
- example: adding products to the cart in amazon
- uses REPL read evaluate print loop

Basics of JS:

knowing java script using console :

code is temporary

only used for practicing

clear the console: ctrl + l

Data types in JS:

1.primitive data types:

1.number - positive(13) & negative(-23) or floating(2.45) all comes under number

2.boolean

3.string

4.undefined

5.NaN-represents a number but not a valid number

6.bigint

7.symbol

to check the type:

ex: a=23

typeof a //returns **number**

operations in js:

+ -sum

- -difference

* -multiplication

/ -division

****** -exponential

% -remainder or modulus

NaN in JS

the NaN property represents **Not-a-Number**

0/0

NaN-1

NaN*1

NaN+NaN

NaN is not a valid number it only returns NaN when it is executed

For declaring variables we need to use keywords in JS:

let keyword(mostly this is used):

example:

let age=23; let cgpa ; -we can create a variable without any value also

age=age+1 cgpa=7.89

const keyword - when the value is constant/fixed/cannot be changed:

example:

const a=21

a=a+10 -error cannot be changed because we used const

// it cannot be reassigned again with a new number.

-it is mainly used when the variable is fixed for example: const pi=3.14

var keyword - old syntax for writing variables

we are using let instead of var currently

it is outdated version to initialize the variables
