

JS-3

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github.com/realSUDO/cohort-journey

<https://freeapi.app>

self explanatory

- console.log
- console.table
- console.warn
- console.group
- console.time
- console.count

TRY YOURSELF

Some standards

There's no standard, sabki apni
apni kahani hai, but still..

let camelCase = 22

let -secretKey = "secret" (proposal)

let MONNO_URI = ""

→ Try making most "const"

• const blocks re-referencing

→ can't reassign variable itself though obj/array can change (content)

• let allows both ..

Primitive data-types (7 total)

- number
- String
- boolean
- bigint (wholeNumber)
- null → iska type bhi null hai (querky)
- undefined
- Symbol → Symbol("yo...");

↑ log time pe .toString()

what
is

RUNE?

side-assignment...

Even though `typeof null` prints `object`, and `typeof function` prints `function`.

Its type is `OBJECT`, and `null` \rightarrow `null`



\rightarrow object copy nahi hote hai, reference share hota hai

\rightarrow Have to make copy for object?

\rightarrow wrong: `objCopy = Original Obj` \times

\rightarrow partially okay: `objCopy = { ... Original Obj }`
for outer layer... (shallow copy)

\rightarrow best: `objCopy = structured Copy { Original Obj }`
(deep copy)

$\rightarrow \infty$
• `console.log(-Infinity, Infinity)`

Let's play with Numbers..

- `Number.isNaN(num)` \rightarrow boolean
- `Number.MAX_SAFE_INTEGER` : 9007199254740991
- `Number.MIN_SAFE_INTEGER` : -9007199254740991
- `Number.EPSILON`
- `parseInt (value, base)` e.g, `(111, 2)` \rightarrow 7

Math

\rightarrow `Math.round`

\hookrightarrow read & study yourself...

DON'T STUDY ALL

Why $0.2 + 0.1 \Rightarrow 0.3000001$

```
function almostEqual (a, b) {  
  return Math.abs(a - b) > Math.EPSILON  
}
```

Coz, using IEEE-754 Floating point..
0.1, 0.2 can't be represented exactly in binary
-- so, they're stored as approximations.

Math.EPSILON ---- : smallest gap Javascript can
(2.22×10^{-16}) detect between two diff

e.g b/w 1 and $1 \times 2.22 \times 10^{-16}$ numbers near one

silent fail in JS

e.g, let str = "hello"

str[0] = "m"

console.log(str)

// silent fail -- string \rightarrow immutable

//hello

TRY

- charAt(99)

- str[99]

- slice, substring

MEERA LIFE MEERA WIFE HAI
bhahahahaha



- trim()
- join()
- split()
- Pad End()
- padStart()

PROMOTION

Must kaam kara
\$ {variable or code }

Make it range = 4711
as much as you
can LOL

```
console.log(void ANYTHING);
```

- default

Каго ! ! !

Assignment

Assignment-- go through Array and object methods...

being so artistic. Lately...