Keywords : js mein wo saray words jin say kuch ho skta haiii un un ko hm keywords kahtay hain like const,let,var,for. and many more.

Variables: ye wo cheez hai jin mein hm kuch time k liye kuch cheez save krna chahtay hain like hm game khailtay hain orr uss mein cartoon ki lives save hoti hai kuch time k liye ye humein variables mein karna hota hai. there are mainly 2 types vaiables i-e let and const.

let mein uss time use karengay jb hm nay agay jaa kr value ko change(matlab badalni ho) krna ho orr const ko hm nay uss time use krna hai jab value bss constant ho uss ko change krnay ki zaroorat na ho.

Tu for eg score ki value change ho skti haii tu hmm uss tarah ki cheez k sath let lagayengay qk score change hota rahta hai and if we take eg of the value of the Pi=3.14 which is always same so we will use const with the pi variable because its value cannot be change.

Scope :

console.log("scope");

// Scope (global, block, functional)

/\*

scope ka matlab k aap ka daira kahan tuk haii simply..

k matlab wo varaible kahan tuk use ho skta hai

\*/

var abc = 4892; // globally scoped

function name() {

  var bb = 23;

}

/\*

for eg hm nay agar koii variable function mein use kiyaa tu hm siraf uss ko

function mein use kar payengay tu iss ko kahengay functional scoped

agar hm pooray global mein likhein orr uss ko hm globally use kar sakein tu

hm uss ko kahengay k ye globally scoped hai

tu agar hm koi b cheez { } k andar likhein tu ye blocked scoped hota hai

orrr jo var haii ye siraf functional scoped haii ye { } k andar use k andar use nai

hota haiii  qk iss mein hm nay kooiii function hii nai likhaa siraf { } hain

tu agar hm baat karein global scoped kii tu wo b humein dhikaii nai deta magar

wo b aik function mein likhaa hota hai sara code.

{ } = blocked scoped

jo let hota hai ye block scoped hota hai

agar hm variable let say banayein jiss b blocked mein

tu ye variable usse block mein ho sktaaa haiii uss k bahir nai

bss let ki simple ye hai k jiss braces {} mein h use hoga ussee braces yani k

usse brackets mein hii use ho sakega.

\*/

function agy() {

  // let name = "khan";

  if (true) {

    let name = "khan";

  }

}

// ab ye wala jo name variable haii ye siraf if k andar hi use ho skta hai

// function mein b use nai ho sakega qk ye hm nay let say banaya haii or wo blocked scped

// jaisa k hm dhaik sktay hain k wo {} k andar hai tu wo siraf usse {} k andar use hoga.

Ressign & ReDeclared :

// Reassign

// dobara wapis say value dena.

let jj = 23;

jj = 10; // reassigned

// ReDeclared

var abc = 48;

var abc = 59; // redeclared mein k hm nay keyword b sath mein likh liyaa

// and this is possible with var but not with let.

// let bbb = 100; this will give you an error.

// let bbb = 101;

TEMPORAL DEAD ZONE :

// Temporal Dead Zone (TDZ)

/\*

console.log(a);

tu agar hm iss ko aisa use karengay tu javascript humein error dega k ye

variable a exist nai karta hai  qk hm nay kahin prr a declare hi nai kiyaa

agar hm aisa use karein

console.log(a);

let a =12;

tu ye error kuchh orr dega jaisa k cannot access before initialization

matlab k baki coding languages mein agar hm print pahlay karein orr uss k baad mein

declare karein variable ko tu wo uss ko pata naii hota yani acceess kar pata orrr error

de deta hai

magar java script mein ye ye wala error deta hai k "cannot access before initialization"

matlab k javascript ko pata hai k ye variable iss k neechay kahi prr declare haii magar

abi iss ko access nai kar paraha.

tu isse ko temporal dead zone kahtay hain k wo area jahan tk javascript ko pata hota hai

k ye variable exist karta hai  par wo apko value naiii de sakta.

let bbb = 39;  tu ab temporal dead zone yaha prr

90 lines hain qk hm nay 91 mein variable bana liyaa haii iss say pahlay variable b

ye tdz haii variable bbb ka...

ki value nai thi tu ye tdz hai.

tu matlab k variable bbb say ooper jitna space haii to variable bbb ka tdz hai..

\*/