Java script let, var, const:

Var ----> function scope

It can be redeclare or reasign with in function scope

Example:

function testVar() { //function scope

var x = 1;

if (true) { // block scope

var x = 2; // here i can redeclare within scope x=1 changed as x=2 so it conside x =2 for all console for block scope and function scope also

Also redeclare var x=3 if give this output is 3 3

console.log(x); // 2

}// till block scope

console.log(x); // 2

}//still funcion scope

testVar();

Output:

2

2

Let ---> it is body scope

It only consider body scope variable

It cannot be redeclare but it can be reassign value inside body scope

Example:

function testVar() {

let x = 1;

if (true) {

let x = 2; // same x as above

Let x=3 ; // it cannot be redeclare same variable in same block it show error already declared

x=3; // but we can reassign value for same variable inside same block

console.log(x); // 2 changed to 3

}

console.log(x); // 1 here print 1 becase it is out side block scope

}

testVar();

Output:

3

1

Const ----> it body scope

It cannot be redesign and reassign in same block scope

But it can update values using array and object methods

Example:

function testVar() {

const x = 1;

if (true) {

const x = 2; // same x as above

// const x=3; // unable to redeclare

// x=3; // unable to redesign

console.log(x); // 2

}

console.log(x); // 1

}

testVar();

Output:

2

1

Example for update const values:

Array:

arr=[1,2,3,4]

arr.push(5)

console.log(arr)  
Output:

[ 1, 2, 3, 4, 5 ]

Object:

const person={

name:'ram'

}

console.log(person)

person.city='cbe'

console.log(person)

Output:

{ name: 'ram' }  
{ name: 'ram', city: 'cbe' }