Let items = nom · filter (value >= 0) · map (mnumber => &value: numbers);

Il In the above code we replaced filtered Il variable with its original coole.

Functions administrations

A block of code that Julills a specific task is called a function.

Creation Syntax rolling = booking = c Junction Jun Name (). Les statement isolar 3 comos

Why we need functions?

- -> Better readability
- 2) code reuse
- -> To avail bulky code
- To reduce buggiger au princip et

Let items = filteredonia

* Function Declaration

Junction run(parameters) of console-log ('running')

calling I invoking + Function run(); Omerbourg a showing to show the state of the concept to the concept of the

a. If we call the function before the actual Junction is written, will it run properly?

=> Yes, because in Javaccript all the functions are sent at the top of the dile and this process is known as Hoisting and its done autometically by is engine.

+ Types of Junction assignment

i) Name function assignments

ii) Anonymous function assignment . Francisco

Named Junction Assignment let stand = junction walk() of console-log ('walk!); Anonymous Function Assignment let stand2 = junction() of console.log ('walk!); describer indicate the action Calling the Junction Stand() Il I we call the walks after the assignment ensit will not be called, we can only call it using estand! can we call the function before its declaration? No, because hoisting only works with Junction initialization not with Junction

ousignment. Promption mothers superproved (is

JS is Dynamic Language

colonic feet by ny = 1; an example of it is it.

adlangeniaje electiones a bree ein

No error will come in the above code.

function sum (a,b) of

d'i return l'att; mo son son son son son

Be of to glod out allow explorances

console log (sum(1,2)) -> 3

console. log (sum(1)) => If we pass only one value the the output will be NaN (Mot a Number) because by default value 2 will be not defined.

console log (sum c) -> NaN

console log (sum c) -> NaN

console log (sum c) -> nall

console log (sum c) -- nall

console log (sum c

eonsole.log (sum (1,2,3,4,5)) -> 3 because 1-> a

and 2-> b and rust of the numbers will go

to arguements.

Arguements are special of objects.

* REST operator (...)

III is also known as spread operator, it is used to concatinate & copy the arrays.

If in a function we have multiple parameters the we can hardle all the parameters with the help of the rest operator.

Junction som (num, value, ... args) of console.log (args)
3
Sum (1,2,3,4,5,6,7,8)

- ⇒ By using the rest parameter we can of only assign the values before args.

 not after it.
- => We can store the varying parameters I data in the array form using the rest operator.

Default Parameters

When a user does not pass any value to the Junction then the Junction takes the value by itself.

=> Below r=5 is default parameter

So, if you pass a value to 'r' in the function calling then it will take the powsed value otherwise it will take the default valuer. (autor) accordance des

1) tilgenulmin a strug tol Junction minterest (P. X=5, X=10) & return pt + * 4/100).

console.log (interest (1000));

=> If 'r' is a default parameter then all the parameter to the right side of it must be also défaultime (Ids a rule)

rockelent and

controls to top (person of alleranes) Setter -* (netter

getler -> to access the properties setter - to change or mutate properties. let person = & posti pol outer Mame: 'Rishabh', Mame : "Kushwaha", getter S get Juli Mamel) & person. I Namely & Sperson. I Namely enth point three ti service in the bottom set jull Mame (value) foutour line let parts = value.split('); this. I name = parts [0]; this. Mame = parts [1]; cornole log (traconflores)) ; console log Sperson Jull Name); Rishabh Kushwaha arth of rotannoung sith person. Jull Mame = !Love Babbar! eonsole. log (person full Name); -> Love Babbar votto 3 vottor)

* Try and Catch Block

The try statement defines a code block to

nant de

- The catch statement defines a code block to handle any error.
- The finally statement defines a code block to run regardless of the result.
- => The throw statement defines a custom error.

try &

Block of code to try

catch (err) of

Block of code to handle errors

finally &

Block of code to run regardless of the try/

deien harman

· 3640220 24080

3 - Recharge problem (Janubar 201)

. where in rot without router

ston's district for partie. * Scope Scope determines the accessibility (visibility) of variable. The certain stratement defines a aprile before to JavaScript has 3 types of scopes: -> Block scope homotop visally so -> Function scope -> Gilobal &cope e soulse from the outer Var N = 2let y =2; X can be used here y cannot be used here Variable declared with var keyword cannot have block scope. Block of code to our adjoiding of the city * Reducing an Array Hour dolor => The reduce() method executes a

reducer function for an array.

- => The reduce() method returns of single value: the function's accumulated result.
- => The reduce() method does not change the original array.

let arr = [12,3,4,5]; let sum = 0;

for (let value of arr) & sum = sum + value;

console.log (sum);

-> 15

-> 15

Now by using reduce() method with => function Let sum1 = arr. reduce (laccumulator, curren Value) => accumulator + current Value, 0);

/*> accumulator is like the sum variable that stores the value.

- -> current Value is like the loop
- -> 0 is initialization of the value (if 0 is not set then the accumulator will start from the first value i.e. 1) console.log(sum1);