Array Methods

1) concat () 8160000

The concert (1 method of array is used to merge two or more arrays. It does not change the existing array.

ey:- const arr1 = ["Nondu"]

const arr2 - ["vinod"]

const come = arrs.concet(arr2)

ll output: [Nondu', Vinod']

2) Every ()

The every method executes a function for each array element. The every () rethood returns true if the function method returns for all elements. The neturns true for all elements. The every () method returns false if the function every () method returns false if the function returns false for one element. The every () returns false for one element. The every () returns false for one element the function for method does not execute the function for method does not execute the function for method does not execute original array.

ey: const oges = [25, no ,35,50] Function check Age (oge) { return oge>18 (3/000) Bottom 10 thomas ages every checkpyed prom of l'output : true sonds ton ["wood"] = I'mo from : jo 3) fill() The file method overwrites the original orray. stort and end position con be specificel if not all elements will be filled. eg: const fruit = ["apple"; mongo, "oronge"]

Fruit. fill ("grape") > [grape, grape, store mole fruit. Fill ("grope"; 2,3) [apple inongo's grope] closes not execute the function energy close of it close sod chonge organs

h) find() The find () method return the value of the First element that passes a test. The Finder method executes a function for each erroy element. The Find() method return underined it no elements on found The finder method does not executes the Function for empty elements. The find() method does not change the original array. existent oyer = [5,18,12,25,30] tion Function Find Age (age) { tins 316000 motor 3 (you should) resoulles A. Gages Moutput: 15 S! tryboll

Findinclex() method executes a fund for each orroy elements. It return the index (position) of the first elem that posses a test. It return -1 if no match is found . It closs not execute, the function for empty on elements. It does not change the

eg: constage2 = [5,10,19,25]

Function etechnique (age) {

seturn age>18

aged. FirelIndex (check Age)

11 output : 2

6) flate) The flat () method concertenate orray elements. eg: const nom 1 = [[1,2],[0,1),[5,6]] conta num 2 = num2. flates 2 Moutpat : [1,2,3,5,5,6) 7) includes () tool of tool of The includes co method returns true if an corrage contains a specific value. It returns
false if the value is not found. It is cose sensitive. ey: const fruit = [opple', oronge', mongo') Fruit, includes ('apple') Montput: true.

8) (notinof ()

The index of () method returns the first index (position) of a specific vol The industry 16 returns -1 if the value is not found. It starts ato specificel inclus and scarches from left to right. By clifault the search storts at the first element and ends at the last. Negotive stort volues at the last. Not element.

O Palco

2) di. const. fruit = ['opple', 'mongo', 'oronge']

Fraitinctuck 71 m/d

fruit, index of ('apple')

C'appori, isporo, islandi o troit senos

Montput: 0

· sunt: Luftoll

a) join () ajoin method return on array os a string. IL does not change the original orray. Only separator conte specified. The defoult is comma(,). ey: const Fruit = ['apple', 'oronge', monge] (truit. join () l'output : apple, orange, mongo. (0) lost Index OF () The last Incles Of () method returns the lost inclex of a specified value. It return -1 if the volue is not found 16 starts at a specific inclusional scorches from right to left, eg: const fruit = ["apple", "orange", "apple"] Fruit. (ast lockex of ("Apapple")

losput in 2: tuplo 1

pop method removes of an array. It changes the only of an array . It return the removed elem const mit = ["opple", "orange" mongo"] Fruit . popu) Moutput 1: many 00) 12) pushes push method adds new items to the length of the energy. It return to new length. ey: const front = ["opple", "oronge", mongo " (emon") lo fruit push ("lemon") ll output : Cappli', "oronge", "mongo", "lemol

The reverse () method reverse the order of the element in on array. It overwrites the original array.

eq: (onst fruit = ["opple", "oronye", "mongo"]

Fruit. reverse()

Moutput : ["mongo", "oronge", "opple"]

(1) slike (1)

14) unshift ()

The unshift () method adds new elements to the beginning of on array. It overwrites the original array.

eg: const fruit = ["opple", "oronge", "mongo"]

Fruit. unshift ("grope")

Moutput: ["grape", "apple", "oronge", "mongo"]

The shift () method removes the shift item of on array. It changes the original array. It returns the shift element.

cy: const fruit = ['expple', 'oronge', 'mong,'
Fruit.shift()

Mout put : ['organge', mongo']

16) slice()

slice() method return selected element in on array as a new array. It select from a given stort, up to a (not inclusive) given end. It does not change the original array.

const frait = [Bonona', 'oronge', 'lemon', 'ord fruit slice (1,3) The some () method checks if any array elements pass a test (provided a colloade function). It executes the colloade function once for each array element.

It returns true (and stops) if the function return true for one of the array elements.

It return folse if the function return folse for all of the array elements. It does not execute the function for empty array elements. It does not change the original elements. It does not change the original elements.

eg: const oges = [12,18,16,25,30]

oges some(check Age)

function check Age (age) {

return oge>18

lloutput: true

(9) sorte

Sort () method sorts the elements on array. It sorts the elements as strings in alphabetical and oscending and It overwrites the original array.

cy: const fruit = ["Bonona", 'oronge, "lemon', grow va fruit sortent to 110 mil

Moutput: ["apple", "bonono", "tomore, "tomore

20) splice ()

splice () method odds ordlor remove arroy elements. It overwrites the original orray.

ey: wnot fruit = ["Bonona", "oronge", "Apple", "mongo" fruit. splice (2,0,"Lenon", "kivi");

Montput: [Bonona, cronge, lemon, kin, Apple, M

21) tostring () The tostring () method returns a string with array values separated by commas. It does not change the original array. eg:- const fruit = ['opple', 'oronge', 'gropi'] Fruit. tostning() June 11 output: apple, orange, grope. 22) Filter () To filter method creates a new oney Field with elements that pass a test provided by a function. It does not execute the function for empty element It does not change the original array. eq: - const ages = [15,20,40,35,12] ages. Filter (check Adult) return age>18

23) reluce ()

The reduces method executes a rely forchion for any element. The my a single volue the function's aumuni result. 16 does not execute the form For empty array elements. It does change the original array.

eg!- const numbers = [100,50,25]

numbers. reluce (num Reduce)

Houtput: 2x 12 Moutput: 25 return total - num

provident of a truction. It religions

map is creates a new array From celling a function for every orral element. It does not execute Function for empty elements. It not changes the original array.

cy: - const numbers = [2,5,6,8] number. majo (nummuit) Function rummult (num) { gritz getta Ja La Jana Moutput: 50p 20,40,60,80 25) For each () Forecech method calls a function for each element in on orray. It is not executed for empty elements. const fruit = ["opple, "oronge", " rongo"] Borns fruit. For Each (print Fmit) L'ensole log (text) Forehon print Fruit Like inder reduction that return text += inclext":" + ikm