for Eoch Does it sultier Somethy 2,2 go to every elevent of the array, & apply the choose on that element maf 1711 sulm an New gorcy is capable to g. no every clemt of the array. & apply a cb. Se map picks the value of each return stalent & puts it

[461.....]

filter

if filters out cleuts based on some

condition

3, 4,57 \tag{war} \tag{war} \tag{war} \tag{war} \tag{a} fefter \tag{all the}

[1,2,3,4,5]

odd clearles

In simple terms, we would be
filter out odd clears

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```
const arr = [1,2,3,4,5,6,7];
2
    const oddelements = arr.filter((element) ⇒ {
        // logic you write here
        return element % 2 \neq 0;
5
    })
6
    console.log(oddelements); // new array
8
                                            new
```

» for all those elements of the
array for whom the Cb
returns true, those original
cleant cull be fait of a
new fillered array:

(ch) (e) > C ochu e 9.2 ==0; Palter [2, M Cf, t, f, t, t)

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[1,2,3,7,5]

Dunki Albun My Music while all 5 soys au parr g So o flu My munic flagtist 21. en

[1, 2, 3, 4,]

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Reduce Method

b ruduer an arroy to a Single value. is used this method /Le product 'Nike airferer', price: 25000, quantity: 13, Cart -> d product: 'airpods', price: 20000, quantily: 23 Produts w 'Jones adapter', price: 2500, 9 manhely: 43 Cont find the total cost of the aux. un con reprent this court as array of products

let value 0 — simbre to initial value corrected.

cout. for Each (product-=> & > Similar to corrected.

value += product. quantity reproduct. poic;

y clue value;

array. reduce (reducentunc, initial Value);

solur for for the servent Value

-> current Value

```
const shoppingCart = [
           product: 'Shoes', price: 80, quantity: 1 },
           product: 'Bag', price: 120, quantity: 2 },
         { product: 'Watch', price: 250, quantity: 4 }
     ];
     // I want to calculate total price of the cart
                                                         variable for few outple
     /**
10
      * let value = 0;
11
      * shoppingCart.forEach(product ⇒ {
12
      * value += product.price * product.quantity;
13
      * })
14
15
16
     const result = shoppingCart.reduce(function reducer(accumulator, currentValue) {
17
         return accumulator + currentValue.price * currentValue.quantity;
18
19
           ->inihal/alm
20
     console.log(result);
21
```

accamilatos > 0
unred valu

accumulator > 80 curud Vala

accumulation (1320)

acumbator >3200 vermt Valer anoun vandle

furt

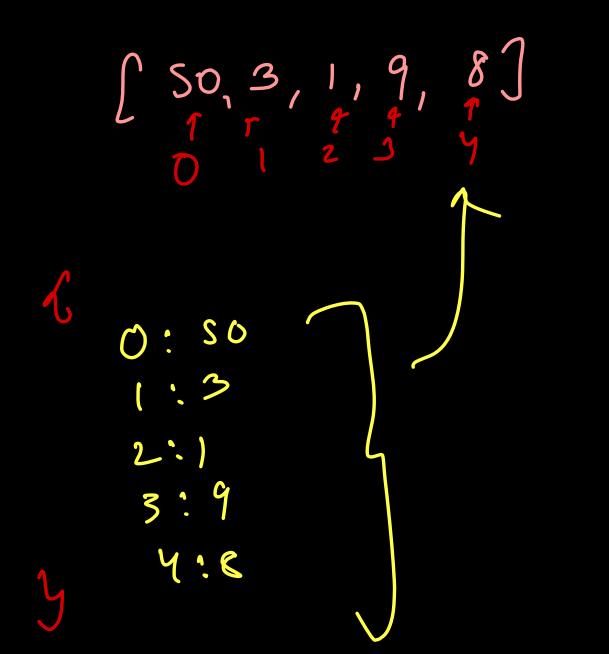
unut Value

anoun vanable

Conhaler our relun Becomes up daled ans variable

 $C_{1,2,3,7,5}$ acc = 1/12/16/24 120

Array. from [1, 1, 3]



lyu:S

why was passing am array like object imp <! Array. from uses an array like ob instead of any object becam Array like objects has a mandatory legle property.

Her cb fem? of Array. from is called leyth no. of times

irden un au iteraty on the lega loop Arroy. from (dleyth: num? Cb rum lyle no. of lûn fes (i = 0; i< (qlu; i++) } (undefu, 0) (p (op [:]]) (under 11) (auly, 2)