11-08-Revision Session - Arrays And Objects

Thursday, 11 August 2022　8:09 PM

Arrays:.
Objects
Map, filter, Reduce ⎫
foreach　　　　　⎬
for - in　　　　　 ⎭
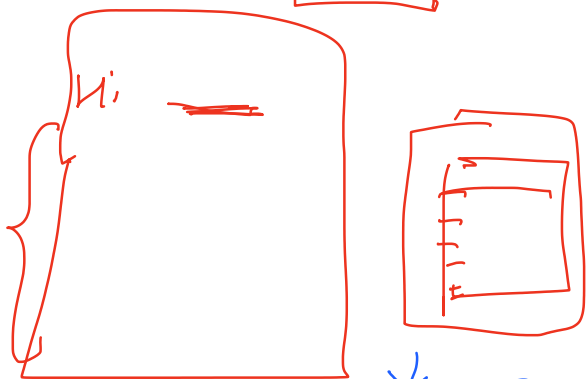for - of
Problem - Solving

① (Arrays)

| 100↑ |

⎧ var client 1 = ''Bob'';
⎪   clien2 = '' Jack '';
⎨ (100)   :
⎪
⎩   Client100 : '' Mack '';

let arr = [''Bob'', ''Jack'', ''mack''.... ....]

Hi,

let arr = [1 , 2 , ③ , 4]　　max = arr[0] // ① 2　　max = arr[0]

// Sum　　⎡ for ⎤ x　　1 > max　false
// avg.　　⎢ for-in ⎥　　(2) > max　　true
// max　　⎢ for-of ⎥　　5 mins　⟳　　max = 2
　　　　　⎣ foreach ⎦　　　　　　　　　max = 4
5 mins　　　　　　　　　Sum
　　　　　　　　　　　　avg = Sum/n　arr.length

arr[2] => 3

Literal　　Constructor. Arr

let arr = new Array (3);

⎧ name: 20;　// [ ]
⎨ 3 empty-20　//, 3 empty slots
⎩

$arr[10] = 20;$

$\boxed{typeof \; arr;}$ // object

derived

1
2   ?
3   3   3
4   4   4   4
5   5   5   5   5

→ Pattern Problems:-

String

$\boxed{10 mins}$

*
*   *
*   *   *
*   *   *   *
*   *   *   *   *

$\boxed{Callback}$

⊛ Map:-

$arr = [1,2,3,4,5]$

$arr.$ map (...) {

HOF   ↑ function

Callback fun

map → function
    ↓
Param-
    ↓
Accepting
another func

function (abc) (b) // hi
{
    ↳HOF
        b();   //hi();
}   ↗ Callback fn
3

function (hi) ( )
{
    console.log("Hi").
}
    abc(hi)

map:-

Arr.map(↱)
    ↓   [Callback]
New array-

$arr = [1,2,3,4]$

love
2side
1side

new array 0 1 2 3 4 5

```
const output = arr.reduce(function(sum,presentValue){
    sum = sum + presentValue;
    console.log(incr)
    return sum;
}, 0)
```

Sum = 0

reduce

acc   *presentvalue*

▷ Run

```
1  function sum(a,b){
2      console.log(a,b)
3  }
4
5  sum(1,2)   // call
6
7
```

// definition

function abc(a)

Sum ("hi"   )