

Hof (higher Order function)

These are those functions which accept,

another function as an argument & use them. Call backs these are those func' which are forssed as an argument to a higher order fine? for Each / Hot Math. Sgot arr.map(function f() {}); is a tallback why²¹. because f is hof > why ??? being fossed to Become it is accepting funi "f" as an argument

```
const arr = (1,2,3,4,5];
    function myMap(arr, fn) {
        let result = []; // Create a new array to store the results
        for(let i = 0; i < arr.length; i++) {</pre>
            result.push(fn(arr[i], i));
        return result;
9
    console.log(myMap(arr, function g(element) {
        return element**2;
    1))
```

We can decide on the runtime what to send as an implementation of call 6 ack.

```
if ( a < p)
my Map (am, g);
else if (bcd)
         my Map (am, h);
 e (Se
        my Mop (am, K)
```

```
const arr = [1,2,3,4,5];
                                                                                     Call Stark |
    function myMap(arr, fn) {
        let result = []; // Create a new array to store the results
        for(let i = 0; i < arr.length; i++) {</pre>
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        return result;
9
    console log(myMap(arr, function g(element) {
        return element**2;
                 ar = (1,2,3)
```

Disadvantages of a rallback

1) Callback hell (minor disadvantage, readability problem)

2) inversion of control

map (function fl)h

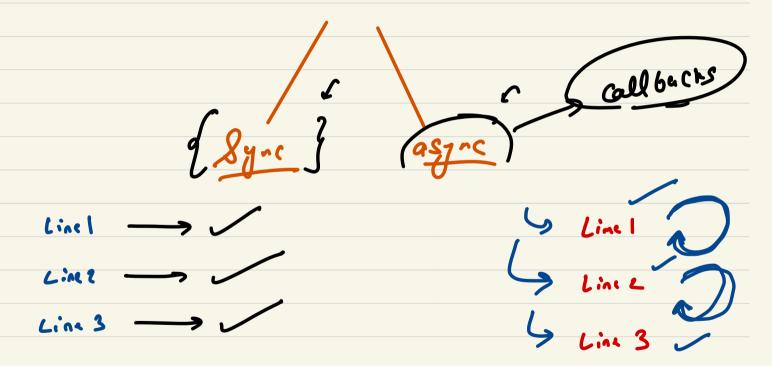
Frust

function $f_2(f_n)$ function fl (fn) & function f3 (fn) d function fy (fr) h

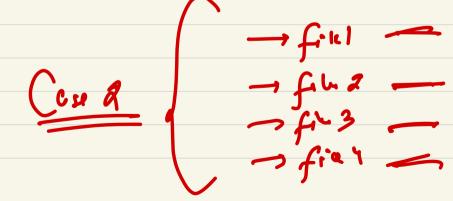
(call back) for (function () 6 f2 (function () C f3 (funchion () 6 fy (function () &

night code.jo & ust 1000 makelayment (reds, funcion f()

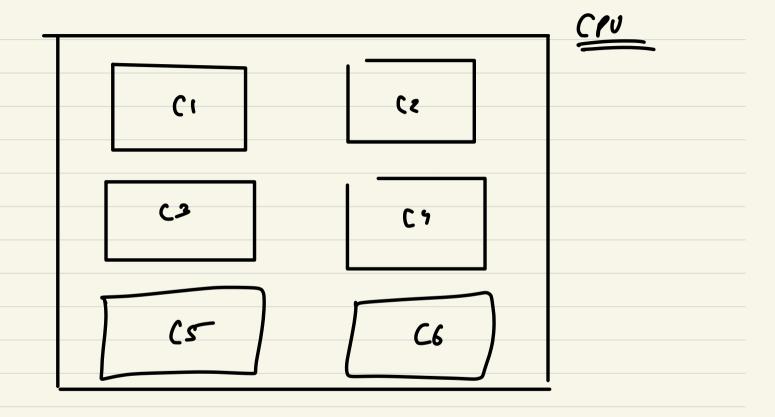
Async Programming

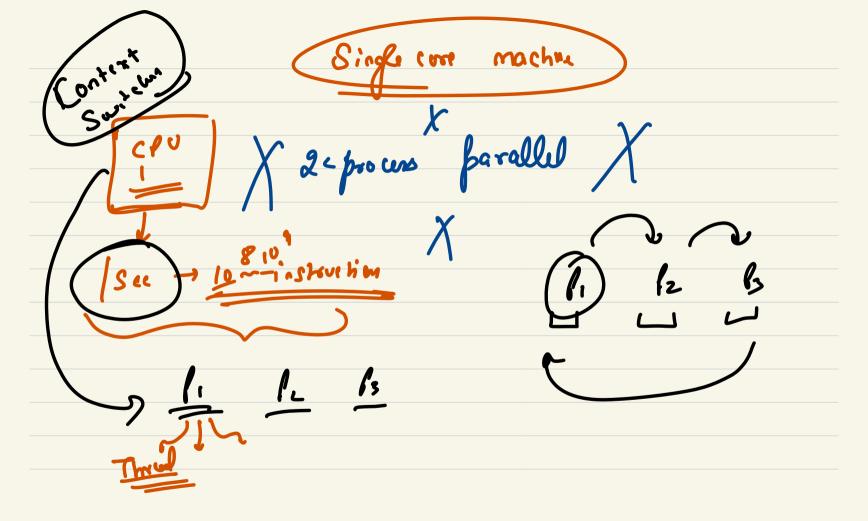


download white placed



what is the default nature of 11 ?? Sync in nature: because US is Single threaded-





(hrom ~ Morilla Runhim Em

