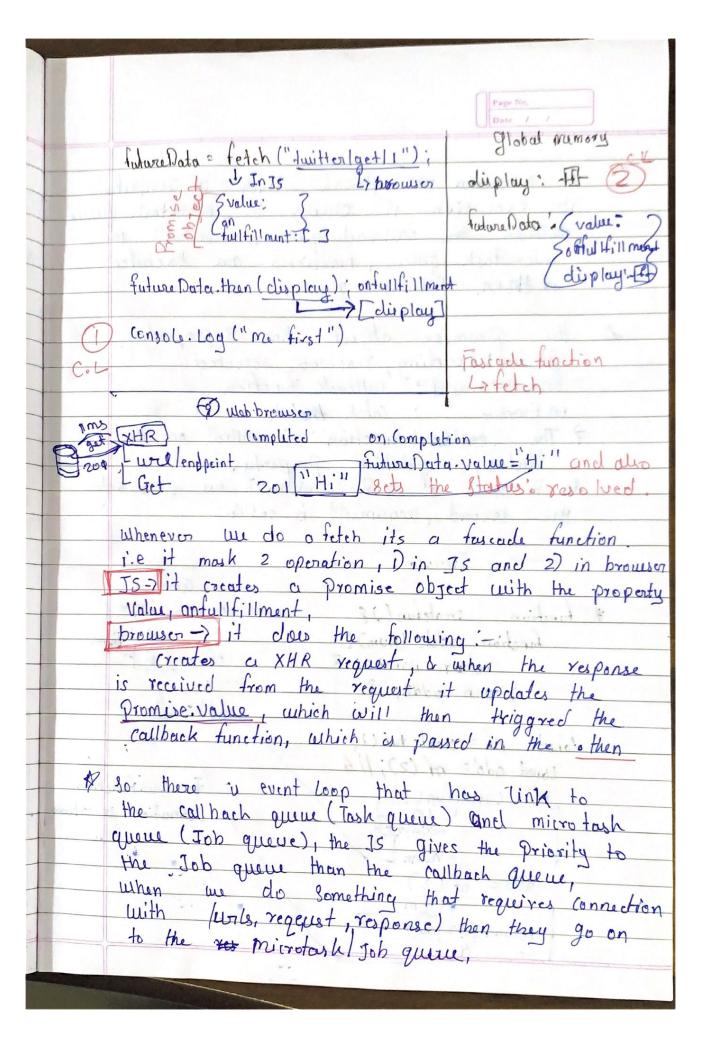
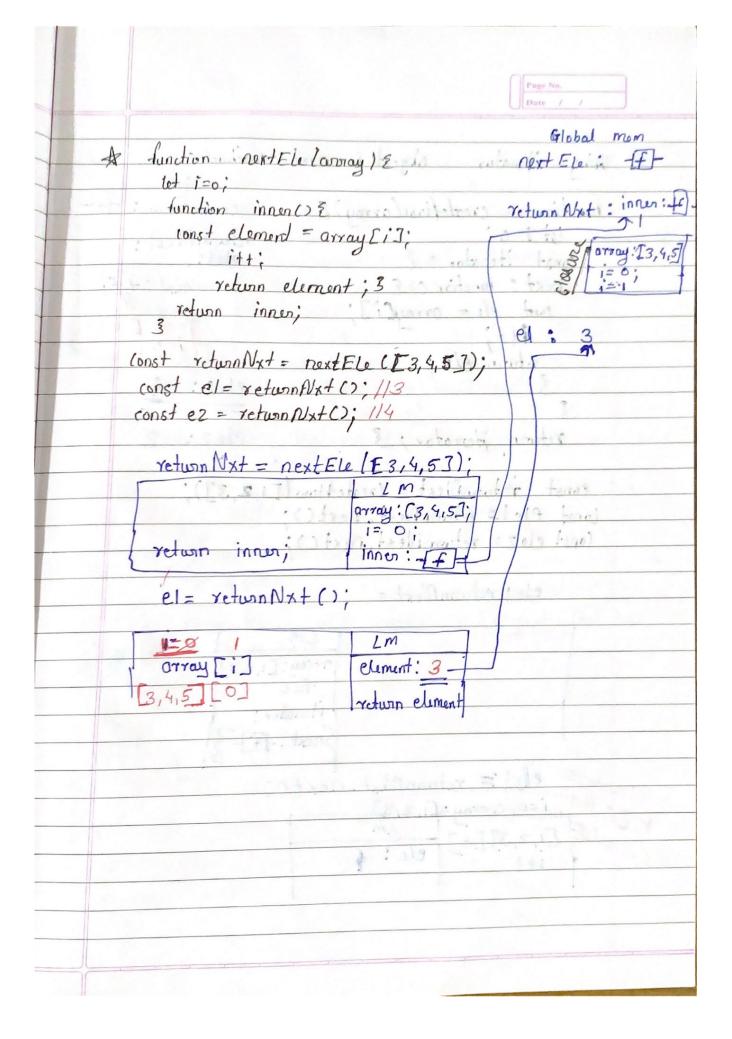
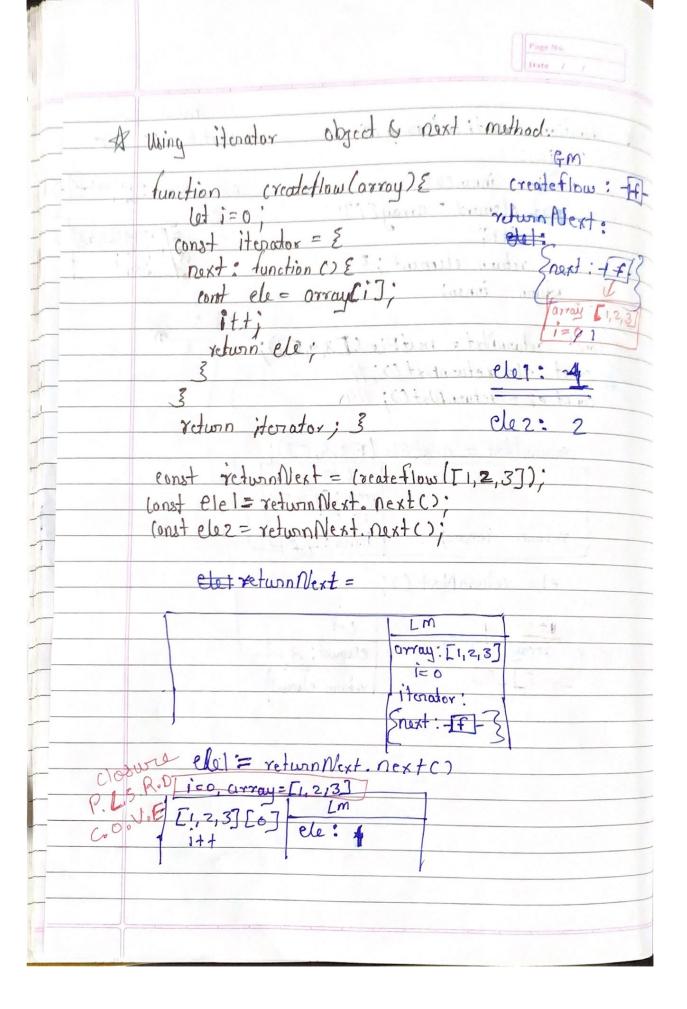
JS: The Alew Hard Parts 11 A to communicate with the outside World like getting data from forver, (ZHR) Using Timeout. all these are not the Is teature but the bleb browsen feature. Function PrintHello () & 3et Timeout (printHella 1000) (on Loy ("Hello" 3, 3 dub brown Timer. SetTime Out (printHello, tooo); (al ("Hi)" of one only one 2ms - ching Him (10) la 9 gradla bill sans (1) Times, compared call Printkell-Print Hello 10 Ed Ing 1000 => Whenever there is a Asyne code (i.e forcade function) the IS first execute all the rode in the global context, then it will sheek the event loop (i.e) microtash queue & callbach grown (priority is for microtash queue & then callbach * Promises -X =) Using facade function function - display (data) 2 console log (data); 3 const future Data = fetch ("tivitter com/get/1"); future Dota then (diplay); console log ("Me first")

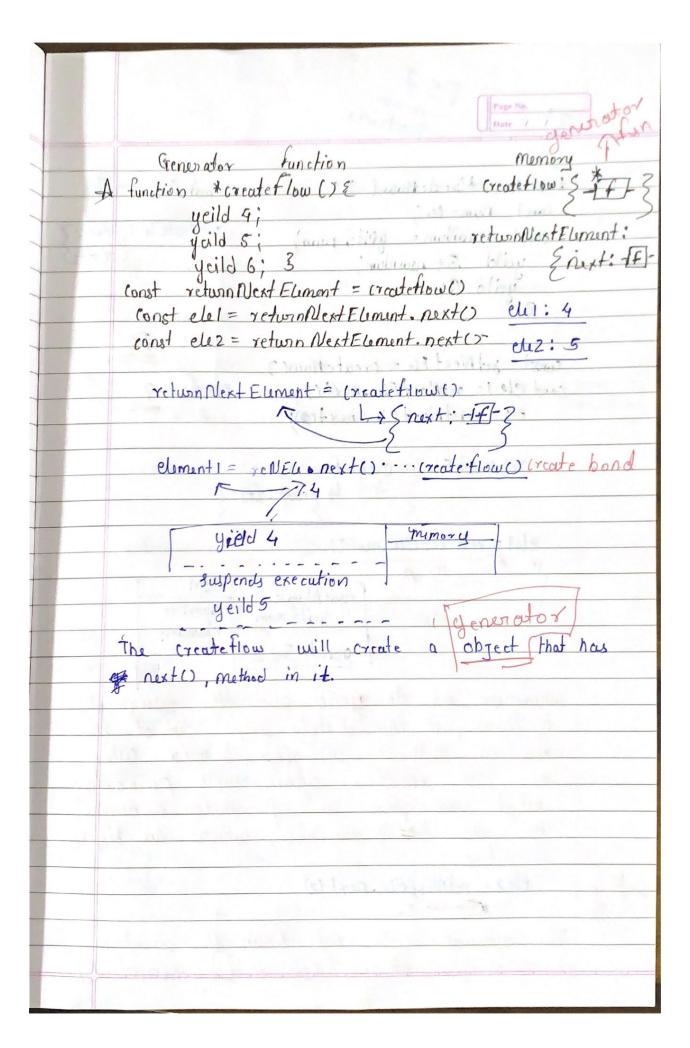


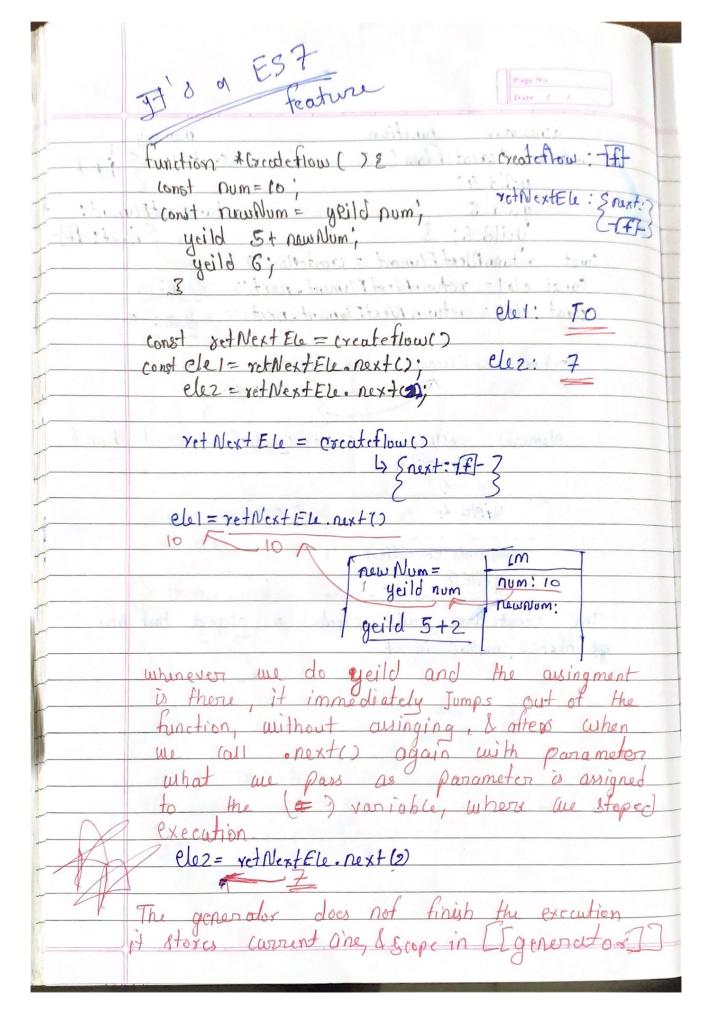
12 Atak statement so tuhonever the global Stack is completed its execution it scheens the microtash queue & then the call book queue, first all the microtask queue, functions are executed Le then callback queue, the promise object has 3 proporties,
Status: Pending resolved, rejected
onfullfillment: callback function
on Error: Cotch boolch

The eallbachfunction is called on the Status updating property. So in can of error where we pass onto the second orgument is called, Iterators Gm * function createfun () & excatefun: -Iffunction addz (num) { of: - f - frum) return numtz; 3 yoturn addz; 3 lonst of = create tun(); lonat add = of (2); 1/4 nf = (reatefun () The inner function eletination is return udd2: ff add = nf(2) return 2+2 num = 2









expende it blodders are Mimory function doublenData Rec (data) & do When Data Rec: 7+ retNext Ele. next (data); 3 function *Createflow () & const data = yeild htch("get1,"); retNextEle:

consale.log(data); 3

[17] forst retNextEle = (reateflow(); const gavalue = retNext Ele. next(); getValue: Svalue: His
Value. then (doWhenDada Recl; 2) Contaiting reflextEle = createFlow () L & nex+:-17-3 get Value = retNext Ele.next() data = yeild fetch ("yetti");

Js Lweb Lylobaka EventLoop microtosh quim deta downen Data Web Browser xhx (Dimpleton on comp getValue. Value = Hill Poth "Hi" GFT when the value is received back then are Execute dollhan DataRec, & then go bach the execution context of the createflow

	Jake Archabale	Is speakes	
	Jake Mirelinousy	Page No.	
	Async Await	Date / /	
	O .	mimory	
-	Syne function Executation () E	i createflow:	
-	asyne function executeflow () { (reateflow: 1)		
	Const data = await fetch ("get !!");		
-	CL. (data); 3	and the	
	(seatetlow ();	enenis oc	
C. L ("me Second");			
Charteron Straintes = miles CL			
· programa	to a continue of the continue	mo tive t	
	data = await fetch clata: Mi	Mesecond	
	Eontuil 3	11111	
Hi XHR Complete uncomplete			
Lw1 "H:" & value:"Hi"3			
(20)			
	All the Stuff that happens is generator		
	function, [yeild]		
	Whenever the global Steeth is	annleted the	
	awast then resumes the execution that		
	the async function is waiting for.		
Ap.			
7	Partial application ronst mul = (a,b) =) axb;	100	
	function prefill (In, Preval) {	const mulz= prefill (mul, 2);	
	function inner (curr Val) &	mula (6) //12	
-	ronst op = fo (preval, currival);	11100	
-	Yction Op; 3	J. Marie	
	rown inner; 3		

```
A function Composition: - (best way to do more
                                   function Mesting)
                             Const mul 2 = num => num x2;
                          cont odd3 = num => num +3;
                       const reduce = (array, how to lom, buildup) &
                                  for (let i=0; ixayray. Lingth; i+t) {

huild up = how to lam (build up, array [i]);
}
                                        return buildup; 3
                                 (onst runda Inp = (\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fir}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac
                    Const array = [mul 2, add 3];
longt reduce = ( Emoi array , run On Inp, 10);
A function Decoration:
                       To control the Mner function running
                   only once.
                                                                                                                                                                 Const Mulz= num = num x2;
                     function outer (conventme) {
                                                                                                                                                            (const onmul = outen (mul);
                                           function inner (input) { on Mul (20) (190784
                                   let count on = 0;
                                                               if (counter = = = 0) & 1

(onst output = convent Me (input);
                                                                     counter ++ ;
                                                            return output; 3.
                                            return inner;
```