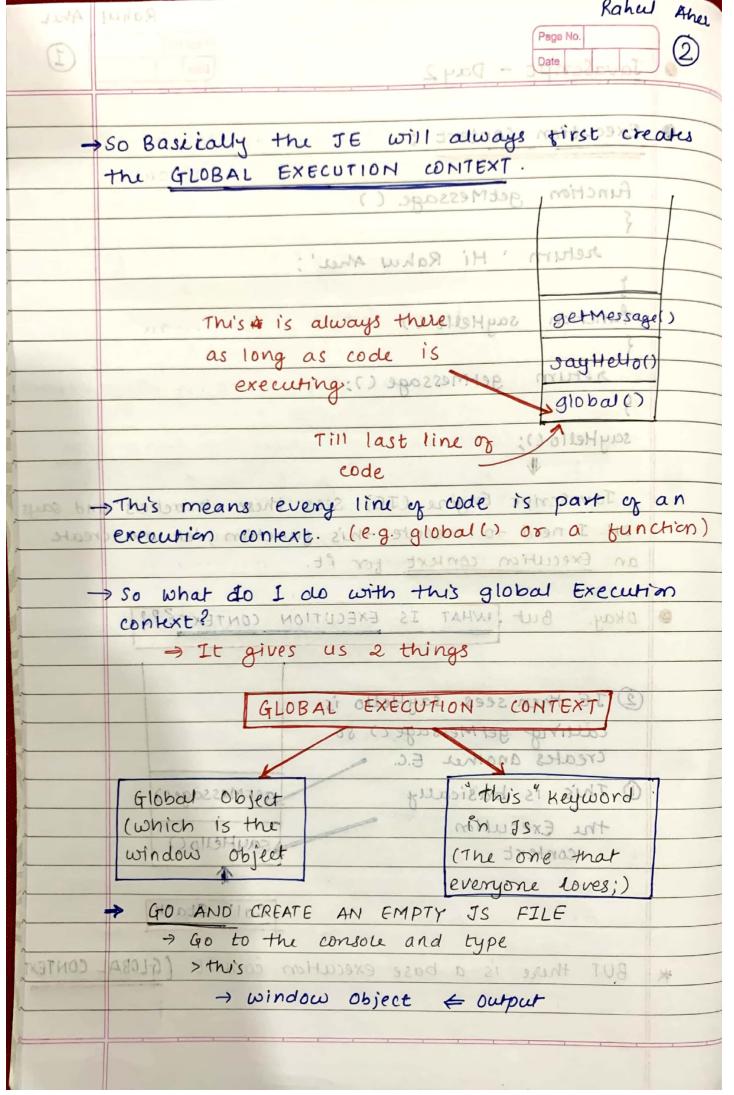
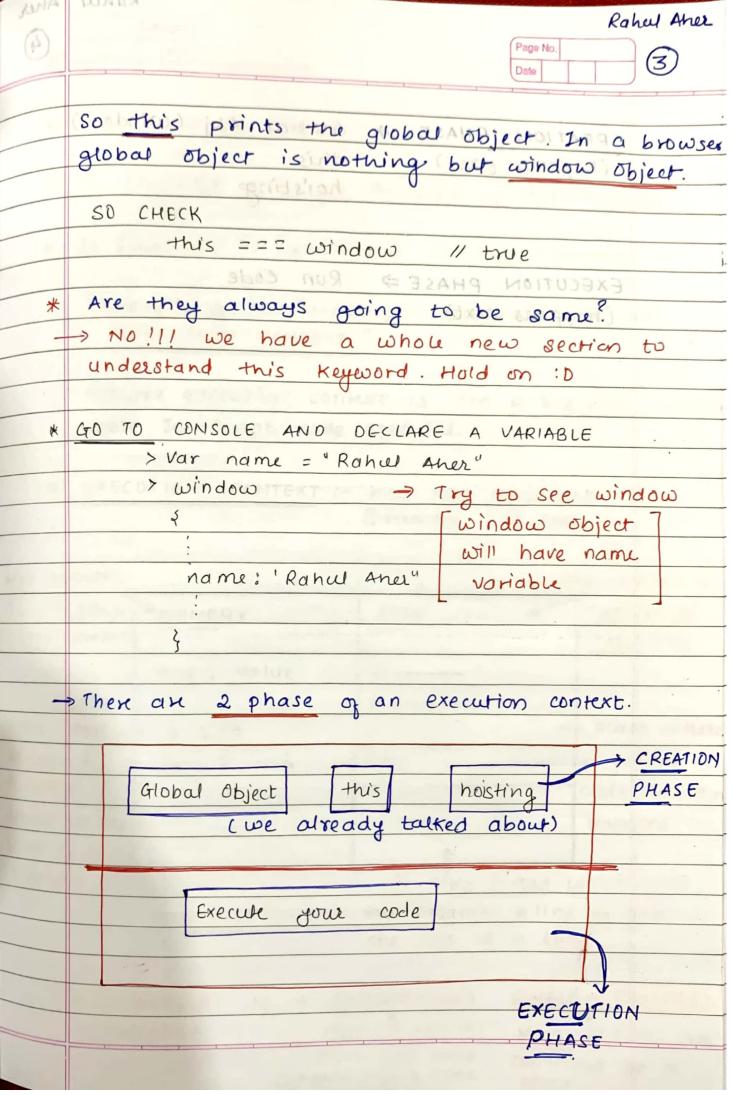
Abrel	Rohy Aher			
S,	JavaScript - Day 2 Pege No. Date 1			
600	Execution Context := It wit plusical of			
	function getMessage ()			
-	5			
	return 'Hi Rahw Aher';			
	y			
-	function saythello () quello 21 42117			
	as long as code is			
	return get Message (7: Novembre			
	(9 lodo184			
-	sayHello (); to anil teal 11iT			
	9600			
an				
(maida	10H. I need to execute this function, let me create			
	an Execution context for it.			
Co	-> so what do I do with this global Execut			
0	OKAY BUT INHAT IS EXECUTION CONTEXT ???			
	- It gives us 2 trungs			
	2 JE then sees say Hello is			
	calling getMessage () so			
	creates another E.C.			
	1) This is basically getMessage()			
	14 6 42 12 4			
	context sayHello()			
	everyone loves;)			
	BUIR CELL YTAMB MADISTA COIDIStack			
	-> Go to the console and type			
*	BUT there is a base execution context [GLOBAL CONTEXT			
	→ window object ← output			





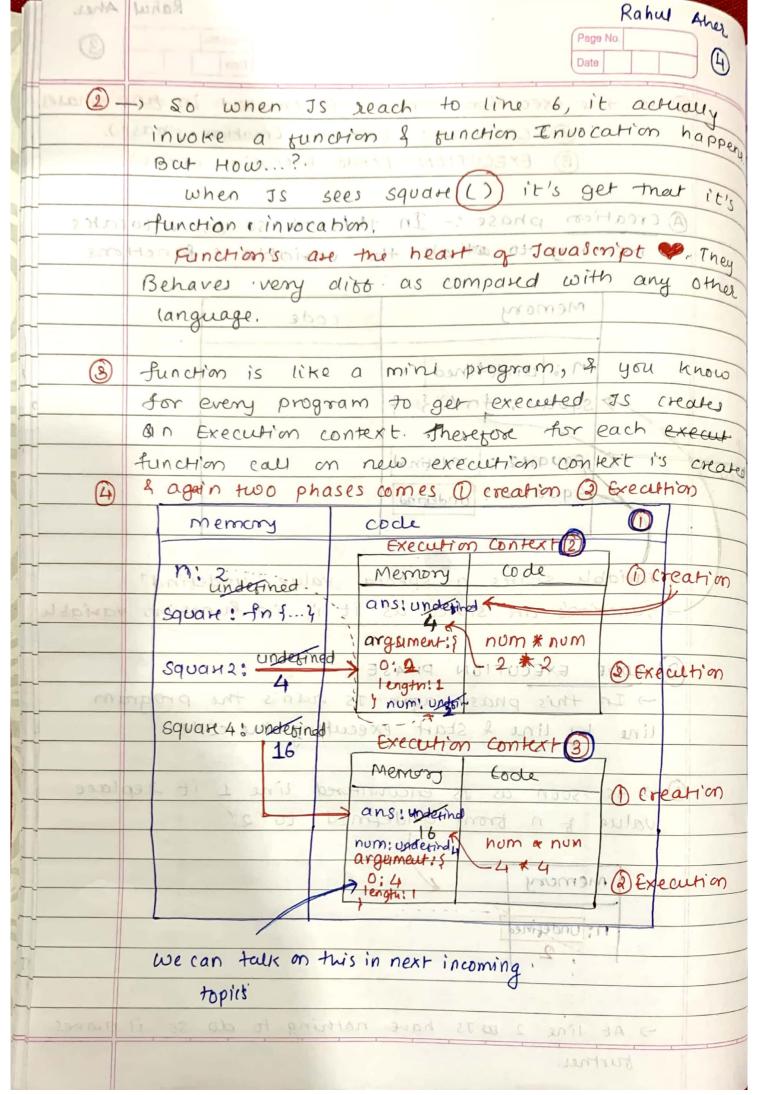
ned Ar	Rahul	Aher
(3)	Page No.	
	Date	9
brou	CREATION PHASE (Global 10b) (window)	
jest.	(happens tiest) eventathis 100 do lodole	
	hoisting	
	SO CHECK	
	this === window // true	
	EXECUTION PHASE > Run Code	
	(happens next) pring equals yet era	*
ot	- No! !! ise have a whole new section	
	understand this keyword. Hold on : D	
	GO TO CONSOLE AND OCCLARGE A VARIABLE	4
	> Var name = "Rohel Aher"	
wor	Twindows - Try to see win	
	topidat auchnia indouglabject	
	will have name	
	name: "Rahul Anel" variable " o?	
	contest -	
	- A Draw Carting Carter	
	There are 2 phase of an execution context.	
CREATIL		
PHASE	Global Object this hosting	
	(we already talked about)	
	220,000	
	Execute your code	
	ATT 10 80 0.11 0.11	
-	1017UD3X3	
	320119	
		1/2/3

2			Rahul Aher	
	Extras in JavaScript	Page No.	()	
	House Tour Constant			
*	How JavaScript Works?	anthing in Java	When	
	OK	WHEN CONFEE	a a way a	
*	Is Javascript is single	Threaded for Multi	Threaders	
		ny ated.	-10.0	
*	Is lavascript is synchro	nous or Asunchro	NATIO ?	
PD A	xecution can leak exaled	see how this E	2'1916	
morps	Everything in Javascript happens inside an			
	EXECUTION CONTEXT	//		
		Var n=2;		
_	Assume execution cont		box in which	
3 1983	whole Javascript code	executed.	8	
E EVIO	233	neturn ans;	4	
•	EXECUTION CONTEXT :-			
		O Memory (2) cod		
		var square = so		
Also KY		AVOT SQUOKE = S	THREAD OF	
	MEMORY MEMORY	CODE	EXECUTION	
ENVI	ROMENT	when same to	2 (1)	
(4)	key; value		are see on	
Olaca u	oher a : 10		place where	
variable	1		a actual	
tunch'on		0	code Execution	
	in the		Happens.	
torm o		^		
4 valu		it like thread a	phich runs	
	3.	the program & line	by line.	
		one line at a tim	rl.	
			T110500=	
-	JAVASCRIPT IS A SY	NCHRONOUS SINGLE	- THREADED	
	Means it goes to Means it run			
	Dex		and at a	

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Adres	Rahud	Kahw Aher
0		Page No. Date
		Tana Sacrata Coda 3
	What happens when you	
_	> Everything in Javascript	nappers inside an
	Execution context.	Charles Advantage Const.
2 bal	> so when you run Is code	e an execution context
	get created.	2 21 101 102 110 7 27 14
	Inchrowing or Asynchronom	and est example 17.
-	Let's see how this Execut	on correct craved & JS
100	code sun inside browser w	11th the neep of program.
		EXECUTION CC.
	1 Var n = 2;	The Java Constant of the
to n'i	x 2 Function Square (num)	Assume exermina
	3 var ans 2 som *	nom; lovot stothis code
	4 return ans;	coppied of
	Suspigmos our son -: 1xo	* EXECUTION CONT
	6 Memory @ code 8	
	7 var square2 = square	(n);
res and	8 var square 4 = square	(4); (4)
0 0439	The state of the s	03 VARIABLE MENORY
ECOTION	xə Ex	ENVIROMENT
1) so when savason'pt code or	un's it creates an
	global execution context.	
ماو س		Place where a : 10
عرانلما	Memory code	variable & fn: ?
de See		tunch'orus
תסופוש.		Stored in the
	4	born of Ken
ur doi	It like thread ion	4 values.
DAI THE		
011-6	one line at a time	
Q Im	ALALAS STIGNABLIANO A CO	I ROMANAT A
1	S A SYNCHRONOUS SINGE	
n R di	Means It goes to Manne	LANGUNGE
nd at	next line once comma	
11		

, jan	Rahul Aher
B	Page No. Date
y 1.	@ so, the execution confert is created in two phases.
magn n	CREATION (Memory Creation phase).
	B EXECUTION (code Execution phase).
2,71	noted to see square (1) it is get ment
	A creation phase :- In this phase is allocates
Their	
JUNH !	iselas a very diet as compared with any
	Memory code
DUTA	I may andefined in a still si contant. (8)
رادي ا	square: of n () sight margong move role
get was	100 xecution context. Incorpor in each for
there /	squarez ; undefined in the
	Square4: undefind 202019 out 1 90 A B
	memory code
	EXECUTION CONFEXT(C)
afil	-) variable stores a special value undefind
	-> function's are stored as it is in function variable
	1 argsment; nom * nom
m'd	B) CODE EXECUTION PHASE :- SHOUPS
	-> In this phase again is run's the program
	line by line & Start executing the code.
(49,1-	As soon as is encountered line 1 it replace
	value of n from undefined to "2"
	NUM & MON & MON & MUM
min	memory /
	Outrode de la
	De can take on this in next incoming.
	tigot .
	-> At line 2 10 Js have nothing to do so it moves
	burther.



	Rahul Aher
	Page No. Date
O .	
(5) *	return keyword; - It will return the control back
	to the line where function invokation taken
	place.
6 -	> Once function Execution completed then, whole Executi-
	on context for that function is deleted, (i.e. as
	soon as function return value back to invocation of
	that function). I then further execution of bunction
	takes place.
7 -	
(+) –	on line no.7 we are again invoking the function
	4 again entire process happens.
8	At the End of the program Global Execution context
(8)	is also get's deleted.
-	13 W30 gas deleta,