Data	
Date	**********

How Javascript works & Execution Context	
20 11.	
TEvery thing in Javascript happen inside an execution	
context	
Variable environment Thread of execution	
G Memory Code Thread of execution	
Kana V la	
n=10 0 +) place where code is In={} o executed one line at a time	
1 me me me me	
all the values	
Lyunction are	
Honed ar Key Walup	
pairy	
The state of the s	
- Javascript is a synchronous single-threaded language that means Javascript can execute one command	
at a time in a specific order	
Ma 11-10 12 4 offerfile oracl	
How Tovascript code is executed & call stack	
we have code:-	
The state of the s	
van n = 2;	
Junction & square (nom) {	
Var and = nom 7 nom	
return am;	
Var Danner ? = Manage (n).	
Var square 2 = square (n); Spiral Var square 4 = square (4);	

when you run this code, a global execution context is created This execution context is created in two phases 1. memory creation phase in this phase its will allocate memory to all the Variables & functions Phan 1: Memony (ode n: undefined Square: Estores whole Square 2 : Undefined Square 4: undefined Phase 2: Memony (ode nom: volying 923: undefined In I' phase, n is allocated with space it stores undefined then we go to line two allocatu specifor junction 'square' & it stores whole code of the junction inside its memory space. Then, I quare 2 & square 4 are variables as well , it allocates memory & stores 'undefined' for them Spiral

Now, in 2nd phase, it goes to whole code line by line. As it encounters n=2, it assigns 2 to in Until now, the value of n was undyfined. for Junction right now there is nothing to execute. now when it encounters = square 2 it calls our square function & a new execution context is Created for our function. Now in this new execution context, in memory Greation phase we allocate memory to nom & and and undefined in placed in them. Now in code execution phase Jon this execution context, first 2 is assigned to num & var wign = 2x2 = 4 After that , return any returns the control of program back to where our code was execution context will be deleted Same thing will happen for square y
And after executing all these code our global
execution context will be deleted.

-) Javascript manager code execution context creater & deletion with help of Call stack.

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