javascript library Atri template html;5 Tavascript. Everything in Is happens inside an execution Context. Mobal eachition comme thread of exection Context memory Code Compant) line by line key: Value a:10 for formis . Is is synchronous single-threaded language. What happens when you run java script? Var n= 2; Code Memory function square (num) of allocates Apl Value. h: undefined. Var and = num & num 8 quire: S. neture ans; } Square 2, undefined Var 8quare2 = 8quare(n); Squarey: unedfied Var Square 4 = Square (+). organient h:2 Parametor We invake a function, brand new execution function function name with parentheres, eg: Non squire2 = 8 quare (n);

function Square (num) & Var ans = num* num; return ans; · allocating memory for hum and ans, Aum'un and un phases execution each line nun xrum nun:2 ans : 4 andefined t return the control of program to place where this for was invoked, with this execution (stack) deletal Code memory Ho Num: 4 Stark. - maintains order of exection of exection wet Js program is run, call stack is program Control qualine machine Execution Mobal contest content · When there is a for invocation all execution watest Es Wester and some process is followed. When the function code is done executing the execution contest is popped out, last yeahal exclusion context also deleted.

function -> New execution context cleated. Console-debug code, where it shows In the Console. Code Console. log ("Lello") on the web dolument body inner HTML (onsole.log() - only to developer not user. Code 1: Var X=4; function getrane() { console log ("Ezhil"); Ezhil getrame(); } function Console. log (x); } function Before initiatived, it is called. words, points, well the me duple get Name (); Console. log (x); Namaste 38 undefined. Var x=7; function getName() { Console. log ("Namaste j's"); 3 I'd stones of pal deares getname(); function getname()(){ Namarte js

(angele log (getName); f gelnamel) { function getName()[Conside. log ("Namsetz "1"). console log (" Name to 3"); before the code is excuted, memory is allocated to every variable. Shims through the program, allocates memory to variable before allocation · In Is before the Code is executed, Variables get initialised to undefined · Arrow functions least as variable and get "undefined" during the memory Creation phase while for actually get our · hoisting. mechanism in Is where the variable declarations are moved to the top of Scope before execution. possible to call a function before initializing it · Variable declaration are scannel and are function dellaration Stanned, and see avoilable. arrow furtion. Var greName = () =) { Console. log ("Normalk"); 3. Not defined. getName(); Console. log(d); -> llor. Contab. log (getName); for gltName(){, consol;

Not a function but a variable (anrole. log (get Name) Var get Name = () =) & Console. log ("Namerte 55"); (undefinal) Var getName 2 = function () undefined behaves like a variable only. how functions works in is? Var 2=1; a(); b (); Console. log (x); 10 function a () { 100 Var 2=10; console. Log (a); } function 6() [van x=100; console. log (2); Call Stack Code. memory Var x=1 L. code undefind. memory Vax 2=10 undefied Capalle (2) a. L... function Memo Code Varx= 100 ol: b : 4.4 Carsol log 100% Console 10

first phase, Variables are assigned, undefined, while functions have their own code. higher level of CrEC on stack, higher its preference · GIEC Created as fn, is invoked, destroyed as it esteution is completed. · Same variable name but different scope of eneution separates the Variable values.