Execution Context 03 May 2024 06:54 AM JavaScript Execution Context 1. Global Execution Context --> Whenever the JS Code is run always Global Execution Context is made. --> It's refers to the 'this' variable 2. Functional Execution Context 3. Eval Execution Context Note: JavaScript is a Single Threaded Language JavaScript Code run into Two Phases 1. Memory Creation Phase --> In this phase, the JS Engine sets up the environment for the code to be executed. The "this" keyword is set to the value of the "this" object. 2. Execution Phase --> In this phase, the JS Engine executes the code line by line. The JS Engine reads the code and executes it one line at a time. This phase involves the following steps: a. Assigning Values to Variables b. Executing Function and Code Blocks. c. Maintain the Call stack Now let's discussed this Program how it will run ---> 1. Global Execution Context is made and code will run Through it. 2. Memory Creation Phase --> val1 = undefined let val1 = 10; --> val2 = undefined let val2 = 5; --> addNum = function definition function addNum(num1, num2) { --> result1 = undefined let total = num1 + num2; return total; --> result2 = undefined 3. Execution Phase --> val1 = 10 .02 let result1 = addNum(val1, val2); --> val2 = 5let result2 = addNum(10, 2); --> result1 -> addNum-> New variable environment Execution Thread