Turwash Notes 12th February 2023
Java Script - Class 4 Basics - 4
Functions:- a block of code that fulfills a Specific task.
Syntax: - jengword Functionname 1) function print(ounting () & Console log ("Counting")
* Why Functions? Seusability to reduce Bulky Codes Pernove/ Reduce Bugs
Function Declaration: - [D] function run() &
(onsole.leg ("running") To call > run()

VHaisting en Tavascript is concept where, Process of moving function declaration to the top of bile done by JS. Engine Dby the help of this we can eall function anywhere. Only works for Function Declaration. (a) Function Assignment 9 giving variable to a function. let Stand = Junction walk () & Consoli. (og ("Walking"). To call -> Stand() Net Walk(); Haisting Down't works here) only for function declaration (3) Homonymous I Name of Junction not present Set Jump = Junction () of console. log ("walking") > Jump();

Function Assignment Anonymaus Named let a = Junction () & let a = function name()f Dynamic Function: function sum (a,b) q return a+b. i) alg (Sum (1)); 1/ will give NaN (undefined borb) 2) eng (sum ()); 11 will give NaN londefoind bor a & b)

3) elg (fum (1,2,3,4,5) // only J& 2 will be taken rest will be waste ans -(3)

Stored in Argument Object in Is. Special Object & Arguments (for multiple passing of argument) Let Sum (a, b) of let tetal = 0 bor l'et value of arguments) total = total + value; return total; let ains = Sum (1,2,3,4,5) Console log (ans) increase this to get new value. Kest Operators-I we can handle multiple parameters in function using Pest operator. This will create Array. Function Sum (...args) & ceg (···args) sum (1,2,3,4,5,6);

(1,2,3,4,5,6); (1,2,3,4,5,6); will be stored in array,

2) Function Sum (num, value, ... args) & (Ig (... augs); Sum (1, 2, 3, 4, 5, 6); ryt operator stored in arguments (args) Value 9+ is a last perameter office mis X (... args, num) NO parametes allowed. Nat allawed X Default parameters:
default default

function intuest (p, r=10, y=2) s

au rest have to be

return p*x** y/100, Cley (interest (1000, 5)).

) will give 100 taking

y - 2 default. if not déposet trun input vill be taken.

let person = of frame: 'Tuwash', Iname: 'Chakraborty', punction fullmame () of ruturn & & person frame & & Sperson Income? This is only read only function. elg (fellmame ()). to manupulate. Getter, Setter:lu person = 8 frame: 'Love', Lname: 'Bubbey', get fullName () & return ' & Sperson- Frame & & of person. I Rame ?' Set Juli Name (value) of det parts = value. Split (' '); this. of Name = pouts[0]. this . UName - parts [1]. To call! eng (person. full Name); R gutter person. bull name = 'Rahul Kumai'). elg (purson, bullame); & Sitter.

ERROR HANDLING using try & Catch block. Try f code, if error gas to catch Catch (C) & 11 custom error message. طر let person 1 = 9 frame: 'Love'; I name: 'Babbar'. get Juli Name () & return & Sperson J. Jutth Inamy & \$ of zerson 1. Iname?; · Set pullame (value) q if type of value!== String) of throw new Error ("Not a String"); let parts = value. Split (''). this. frame = parts [0]. this. I name = parts [1]; & y. try & person1. Full Wome { catch (e) s f = true; } alert (e).

Scope:Gliberine or libespan of variable
is scope block Scope cig (a); // Sorting:lura = [10,30,50,60,20,80] a. Sort (Junetion (a, b) of return a-b Fer ascanding

(b-a) Fer

discanding. ceg (a).) -> a will be placed before b Ø → a== 3 a (tre) a will be placed

// Reducing an Array:using reduce method. lut ar = [1,2,3,4]; let tretal = 6, For let to value in ara) total = total + value; Console. log (total); 1 to reduce use write call back Junction using 2 parameter accumulation currentvalue (toup) let totalsum = arr. reduce ((accumulation, Current Value) => accumulater + curentialue, 0). accumulater initialized to (Console. log (tatal Sum); - 90 Working: - [1,2,3,4] accumulator = 0 current value = 1 accumulator = 0+1 curint = 4 accumulator: 6+4 current = 2 accumulavers 1+2 accumulates =