

Mote: Due to data combiguity issue is does not support multiple inheritance following are the different ways between different types of object inheritance can be implemented. 1 Inhevitance b/w two static objects D'Inheuitance b/w static object and dynamic 3 Inhvertance for two dynamic objects. 1 Inhertance /w two static Objects * Every static Object been weated in is holds a per-defined peroperty by default et item (" kuy") - leturus value lui-otong-" the behaviour of any object to access another existing object with properties and behavior O The main object from which data gets derived is called present object or base, the object which is accessing the data or got derived from the parent object is called child object or derived object. stoned under Local stonage lable tien after exclosioning on our open les session chier

Inhoutance b/w static object and dynamic Object vueate ()" is a pou-défined way to vueate a depramie object by inherting data from a static object Syntax: Object. vecate (<2xisting static object>); Eg: var data = { class classinames & since parame); :: : [Vau chilobj = Object. meate (data); childobj // holds its own purporties along with it can point to Existing data of "data" object. Classes Clars indicates ou respuesents a pur-défined structure of an object so that une can create any no of objects having same steercline but with different data until ECMA-SI Classes cuese not directly supposited in jawa suipt, using functions une could indirectly get plature of classes. get pealeure of classes. Yey would though which we would able to wate classes directly goxs

ECMA 5 classes Syntax: function & class name > (20ptional pavams>) { Athis. Key = '... this Key2 = '...'; this. method = function () { object, ough (existing states object. 1): If was date = 1 GCMA-6: Class < class name > { constructor Coptional params) { construction of appears, our delice idolish wall probably its own proportion of the its own proportion of its object. it can point to existing date of date solitet. Classes 29/4/30 mes in bonn grandling Excaption Handling instructions on Evvor / Exception: a set of instructions or a line of instructions making the Execution of application to stop abuilty. * The everous or Exceptions might get raised while compiling the code ou veaised writer the code while executings the code O Rentime Exceptions @ Compile time Exceptions

Compile Time Exceptions or syntactical exceptions The vivous which gets raised while we compile time every ex: Syntactical evoces * java suipt does not provide any way to handle compile time everous these levious are por sure need to be fixed to go feether Execution. Run Time Exceptions The Exceptions which gets vaised while Executing the code is called muntime Exceptions on our time evvors Ex: raway Endex out of bound 2. file not found exception 3. referring a dom clement which does not exist. etc. * In general, when a sun time Exception gets raised the flow of Execution gets stopped aboutly without going further! Execution. * java script puovides a pature of handling Exceptions thorough I which we could able to handle the Exceptions being raised and continue the execution flow without stop.

of following are the pur defined Keywood -through which are would able to handle Exceptions. Syptochical ecumous (try @ catch some low son to the son to hardle compile time in (3) finally * using try, catch statement are could able to handle exceptions get reaised at ruen time. beller is come itt priturary ex our lime works The set of instructions in which there is - lay Block a chance of getting such time everoy whas costed to be placed under the trey block The set of instructions through which we could able to handle the Exception has to be placed under catch block. (Catch block should be the immediate block has to be placed after try block Due cannot overload catch method in is, a single truy block should have coversponding single catch method. 3 un cannot invoke the catch method manually it gets invoked automatically

when there is an exception under the try block.

(4) set of instructions through which we handle the every been raised at tery block as to be placed under catch method

(3) catch method and matically gets involved holds and exception or everor object with Extra information about the current everor been generated.

:::: If set of instructions need to Syntax: truy {

" !!! !! set of instructions in which

" a chance of getting there is a chance of getting suentime every

} catch (ever obj) { www problemst culting of handling

I set of instructions to handle evior been spaised any time the controller reaches, to the

therow statement within the try block, it 30/4/20 Block

An optional block can be placed after the Catch block which gets Executed for succe is a exception being seaised within the try block or not

red to be Executed intellerent of Exception been raised or not within the try block, has to be placed under finally block

Syntan: tery S Il set of instructions in which there is a chance of getting everor 3 catch (evr) { :.. Il code to handle ever I finally & is: Il set of instructions need to Executo for sure isocelavent of whethere there is an exception seased on not: Handling user-defined Exceptions java suipt provides a feature of handling uson-defined Exceptions using "therous" Keyword. any time the controller reaches to the throw statement within the try block, it automatically trusts that as an ever and Invokes covers ponding catch block Catch block which gets Executed Syntax: x 0 & sunt weatherton to troublewing try End pad salt mating thorous "exception desc"; // controller automatically jumps to catch block 1 catch (ev) 2

" I instructions to handle over 015 20 Closwies Closure is a self invoked functions gets invoked automatically once the controller reaches to it. * using closures un could able to bind set of java suipt instructions as a individual module of The set of instructions within a closure accessible outside of the closure

module becomes a puivate data, cannot de

* within a closure use could able to bind set of is instructions like set of variables, methods, objects, classes etc.

* The data weithin a closure cannot be accessible outside of it even within the same page, it adds accessibility security to the

Syntax: (function () { :: ! set of is instructions ...

12. M. reham })();

Steps to be polloued to access closure date outside of the closure.

1) create and assign a variable to the clasure

3 Retwen the data which need to be accessible outside of the closure as like an object.

3) using closure name, we could able to access closure returned object data outside of the closure.

Mote: Mot all the data within the closure can be accessible outside of it, only the data which is returned from the closure data which is returned from the closure name.

Syntax: Van closwullame = (function () {

iii // set of instructions

veturn { || data within this object

can be accessable outside

of closure.

} ();

Eg: Var usurData = (function () {

Var name = "..."; // cannot be accessible

outside.

function sample () { || cannot be

accessable outside.

return { Il all the data under this object can be accessable outside of closure.

method: function &

3)();

console log (name); // throws error as name cannot be accessable outside outside y closure.

usvidato Key-1); // can be accessable.