```
ES6: Map, Set,
                                                                     Weak/Nap WeupSet
                                                                                             opilad in away literals before tobi
HTML+CSS+JS SL LIJIA XU
                                              let list=[X,y,z];
                                                                      tor let ch of "Hello"
Arimations | container > relative (2/)
                                                                                              var arr=["one", "Two", "Five ]; with
var pos=0 box -> absolute
                                                                                             arr splice (2, 0, "Three"); let neutr-E'three,
                                              for let val of list) {
                                                                       lous de loy (ch)
Var box = document, get 2 lemont By Id ("box)
                                                console. log(val);
                                                                                                      delete amount 1 Four);
                                               f before 256:
                                                                                             spread in object literals
                                                                     roust addly, y)=>{
Var t= setInterval (move, 10);
                                                                                                                  Let any = E'Dne, ... neuAW!
                                                 tunction add(X, y) {
                                                                       let sum=x+y;
                                                                                             (out ob) 1 = {a: A, b: 6)
                                  onblur
tunction movel) {
                                                Vow num = x+4;
                                                                                                                  Shallow cloning or
                                                                       (ousole. (og(sum);
                        onload outocus
                                                                                             const ob; 2={L: C; d: "D');
                                                (onsole. (og (sum);
                                                                                                                  meging object with
  if (pos>=150){
                                                                     } 1256 shorter varsion (oust clanel={...obj|};
                        Onunload
    clearInterval (t); onchange event
elses
                                               3 (oust greet = x =) "welcome" + x;
                                                                                                                   Object assign()
                                     hourse
                                                                                             const inemped={...ob; | ...ob; };
                                              No presentas >> (onst greet = 1) > alart ("HE")
                                                                                                                     Class in 256:
   3 elses
                                      can be
                      on mouse down in line
                                                                                              [{a:"A, b:"B', c'C, d'D3]
     pos+=1;
                                              Before ZS6:
                                                                                                                     only one constructor
    box. style let = post px"; ox assigned
                                               var av = {2,3,7,8]; [epist av = [2,3,7,8];
                                                                                                                     for each class
                                                                                             class Kectangles
                                  to elements
                                                                                                (oustructor (height, width) { Prototype
this height = height; jost area() {
this width = width: return this calonily
                                               avv. for Each (function(el)) avv. for Each (V);
   3 Var X= document, get & ement By Dideno,
                                                                        console log (v*2);
                                                console. log (e(+2),
3 X. onclick = tunction() {
                                               3); ES6 perpueting
                                                                                                    this width = width
(button onclick= "show"> document. body.
                                                                                                 3 Lonst square= new Rectangle(5,5)
                                                                      tunctions like tory
               inner HTML = Datellis
                                               let arr = [1, 2, 3];
                                                                      Not washing torolder
                                                                                               Static distance (a, b) {
                                                                                                                           class Dogestereds
               < body on load="dosonel">
                                               et [one", "two", "twee"] = arr; promors
                                                                                                 const dx = a.x -b.y;
                                                                                                                           Animal { }
                window. on oud = function !) {
                                                                                                 const dy-a,y-b,y;
 function show() {
                                              lousole. log (two);
   alert ("Hi there"); and focus lost the elanant
                                                                                                                            super speakly
                                                                    object destructing
                                                                                                 veturn Math. hypotld (, dy)
                                               let a, b, c=4, d=8; uppachs properties into
                                                                                                                            256 Map
                                                                                               3 11 only called directly with
           Lipput type="text"id="name"
                                              [a, b=6]=[2]; 1/a=2, b=6 distinct variables
                                                                                                                            pen/value pails
4script7
           onchange = "changel">
                                                                                              Map supports different data types keys
                                              [c,d]={d,6]: 116-8 d=4 let obj= [h: 100,
ekwent.
                                                                                              "I" and are two different For Map
                                                                     s:true3;
             tunction, changel) {
                                               let a=() >{
add Event L
                                                                                              set (key, value) mup. size can be any get (key) pairs in Nep.
             vor X = document. get2lement By1d
                                                  return [1,3,2];
                                                                     (et {h, s} = obj | h, s sour
- istement
event,
                                                                     without declaration,
              X. value = X. value, to Upper land
tunctions
                                              let (one, ,two]=a()
                                                                     must have ()
                                                                                                         let map = new Map();
                                                                                              has(key)
uscapture); ZISLVIPT
                                                                     let a, b;
                                                                                                         map set('k), 'v1') set(k2, V2);
                                              Il can skip one or more
                                                                                             deletelkey)
Courton id="demo"> Start < Ibutton>
                                                                    ({a, b} = {a: A, b: B});
                                                                                                         console log (map. get('k1'));
                                              let {a,b3 = {a:"A", 5:18;
                                                                                              dearl)
                                                                                                         console. log/map. has ('ki));
                                                                     console, log (atb) 1/AB
                                              lonsole log (a+5);
 var btn = document.getZlementById("deno");
                                                                                              keys()
                                                                                                        for (let ky of map entries())
                                                                       assign default values
                                                                                              values()
                                              assign with newnomes:
btn.add Eventlistener ("click, my Function);
                                                                                                          console.log(kv(o]+":'+b(i]);
                                                                                              entries()
                                                                       in case value up packed
                                              var 0 = {a: A", b:B"};
function my function() {
                                                                        is undefined
                                                                                              256: Set used to hold unique values
                                              Vor {a: new, b: good}=0;
                                                                       Var ob = {id:42, name: set.size
   alert (Math. randoms);
                                                                                                         let set = new Set L)
                                               I new "A", good > "B"
                                                                       Norder Not matter "A" 3 add Value
   btu. remaretvent listener ("click", mytimotio
                                                                                                         set. add (5). add (9). add (15);
                                                                       let {id=5, age=20}=obj deletelublue,
                                              before 256; we can
                                                                                                         ionsole, loy (set. has(9));
3 </script> | Event Propagation
                                              pass my number of
                                                                       256: Vest parameter has (value) for (let v of set. values())
bubbling - innermost elevent's event tivs
                                                                        ... nums spend opartarclear()
                                              conquinents to the func
                                                                                                          console. (og(v); 756: Promies
capturing > outler most element's event first
                                              and access it with arguments
                                                                                             valuest)
                                                                                   Spread
                                                                                                          A better way for asynchronous
                     a scripting language
                                               function containfill (arr, ... nums) { operator before 256:
ECMAScript 6
                     evented to standard 200
                                                                                                                         with 256:
                                                                                  ... arg 5 set Time Out ( function () {
                                                 for ( let num of nums) {
var a = 10;
                     Before ES6:
                                                                                                                         new Promise (fay-
                     let name = 'David';
                                                   + (aw. index Of (num) = = = -1) { before 256:
                                                                                                (ousole, log("uk!").
coust b = "hello";
                                                                                                                         ction (resolve)
                                                                                                setTimeout (tunction 1) {
                     let msg = wellowe trans
                                                    return talse;
let c = true;
                                                                     tunction mytuncle, x, y, 2/8
                                                                                                                         repet){
                                                                                                   console.log("work?");
                    console. (og (msg);
                                                                                                                            IInork
                                                                      console, log(x+y+z+w);}
loops before 256
                                                  veturn true;
                                                                                                3,1000);
                                                                                                                           it (sucess)
                                                                     Volv ongs = [1, 2, 3];
let aw=(1,2,3);
                    let name='bauld';
                                               f with ZES:
                                                                                               3, 1000);
                                                                                                                          vesoluclusuit);
                                                                     mytune apply [null,
for let k=0; k<an.halletum = 'welcome finane';
                                               loust my function, x, y, 2/38
                                                                                              (ousole, log (" End");
                                                                      cwys. concet(4)); [2X.
                                                                                                                         reject (Zuar (1/6.
                    (onsole. 109 (msq);
                                               101150/e, log (w+x+y+2);}
 console loglarion Do Not use for in to
                                                                                              resolue-) method for suin
                                                                                                                         (we)); {);
                                                                      vow dateFields = 1970,0]
                                               (et avys=[1,2,3];
                                                                                              reject > method for trillung
} let obj={a:1,b:2,c:33; Alays Only Engrante
                                                                      von date = new Datel ... d
                                               my Func (... orgs, 4);
                                                                                               It returns, Promise uses then
                                                                      ateFields).
forcet vin obi) 53
```