Similar : Sundesta DESTRUCTURING :-Destructuring is the process of extracting array elements and storing them inside indivisual variables, and extracting object properties & storing them incide individual variables. There are 2 types of destructuring. (1) Annay Destructuring (11) Object Destructuring. top I I much (1) Annay Destructuring ?--> It is the process of des extracting annay element and stone them indide. individual variable.

- It avoids using armay mame again and again when accessing annay elements.

> will be stored incide the variable in Sequencial order

It you want to skip the element on don't want to lotone the elements just pass coma () at the time of destructuring.

Eg: let colore = [red, gneen, blue, yellow];

clg (colors to) or let g = colors [o] . // green .

clg (colors [1]).) clg (rep.b)

let [r,g,b,y] = colores; clg ( R, g (16 10 y); // Hed, green, blue, yellow. let [registry] = colores; troputo) olg (ro, g, y). // red, green, yellow let [ 10,9, ... P] = colors; clg (re,g, P) // reed, green, [blue, yellow]

```
let [M, -- p, c] = colores
           et [K, -- P, C] = colores element
or clg (N, P, C). Merchon: Rest parameter must be last element
               let colone= [sked, blue, green, yellow]
               let get colores = ([n,b,g,y]) =>.
                         console log (V, b, g, y) (trubute) pol doenos
                    del smante = stridont. snance:

Generale lug (snorar).

(unolos) enolos) esporar
             let get Numbers = () =>

get n
                                Ketwin [3,4]) ( tojsb, 200, mions)
                    let Hes = get Number () leborg , po po
                         dg (res);
                       let [a,b] = get Numburs (); troutents lop 131
                         elg (sname, age, thept, Ment, Mark) plo
Object Destructuring of the process of object properties and storing them l'envide individual naviables.
 Object Destructuring allows us to avoid wing
         Objed name again and again when we access
 carry as L.
           same as key names.
   It we want to skip on don't want to stone the
```

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property, just ignore the keyname of the time of
destructuir eg.
tg:-
  let strongent = { sname: "sourd, age: 31, dept: "cst",
gender: "male", marks: 650}
   console log (student)
                                                 destrudi,
    let ename = student · sname;
console · lea (sname).
    console lug (sname).
    destructuring
 1. tet & sname, age, dept, genden, mark? = student;
    elg ( sname, age, dept, gender, mark
    11 Sara 31 CSF male 650
 2. let of gender, age, marks & = students
     dg (age, gender, mæks)
      // 31 male 650.
 3. let get student Data = (f sname, age, dept, gender, Mault)
     => { clg (sname, age, Hept, mark, gender).
   get Student Dota (Student).
     // Sara 31 CSE 650 Male.
    let get Student Data = () => mult provide
  reeteun & sname: "Sara", dept: "cse', gender: "mal
            marks: 650%
    let & sname, age, mark p = get student Data ()
   clg ( sname, age, mark); // Saviar 31 650
```

```
5. let of gender, age, Marke, ... detail) = student
elg (age, gender, Marke, detail) 1/31, male mark
Nested Object Destructuring :-
 let Student =.
     sname: "Mourisha",
     age: 22.,
      Marks: 560
     addrees: 2
         home: { city: "Bhowanipatra", state: Odishay
         work: { city: "Bargalone"}
  elg (student). (death, age, muni) plo
  let & sname, addness } = student.
   let & home, work } = address.
   let of city: Etate & = home
let of city: new city & = Wook.
              (ore) Renaming
  let { sname, address: { home: {city, state},
  work: { city: newcity.}}} = student,
 clg (sname, city, new City, state)
 11 Manisha Bhawanipatra Bangalone Odisha.
```

Object in an Annay destructuring :-Eg:- let students = L sname: "Syed" age: 31 Marks: 650 sname; John" age: 36 , Marks: 780 : feity: Bhouseus podrou works of the " Boundone F Case-1: For (let of sname, age, months) elg (sname, age, mark) // Syed 31, 560 return suave to Upper Case () clg (res); // [SYED, JOHN] NO Jenna, address: I home elletylista Euten All Cample

```
Object Method
     let Student = 2 let employee q.
        sname: "Marisha", Sname: "Marisha" age: 21
        Manks: 650. ( 1001 p. Marks: 650
                               clg (émployée).
       elg (Student);
    clg (Object. keys (Student)) / [sname, age, marki]
    elg (object. values (Student))
    elg (object entrales (Student)) ... bojets places les
    dg (object. keys (Student) length)
dg (object. has own property ("Sname")): 11-true.
    elg (object has own property ("details")); // False.
    object. Frieeze (Student), 2000 hajale = joe war tol
    object seal (student);
    student dept = "CSE";
     Student - Mark = 3(201) gross = = tropots) plo
     delete student age;
     elg (object. istrozen (Student)); //true
     dg ( Object. is Sealed (student)); // true.
   let worker - Student
                                 (b) role log (d);
    console log (Student) Hot lap le ) not slower
   elg (object. és (student, student) // true
   olg (object. is (student, employée) Il False...
    elg (Object. is (Student, worker). Il true
                          (O estenia tos (1)
```

```
let new obj = Object, create (student).
console log (new Obj)
rely (new Obj. sname)
clg (Object. is (student, neu Obj)) // talee.
4 It is used to create a new object and the copies the
 came object with difficent response : 1. toold ) po
                      ((bubile) welve trojde)
 let new obj = Object. assign (student, employee);
 elg (new obj)
elg (student) ne") phage of muse and took
 > It will merge the employee object to student object.
 let new obj = Object assign ( f p, student, employel);
 clg (new Obj)
 clg (student === new Obj)
 clg (student = = = employee)
  moment.js -> Library
 Date and time Methods ():-
  let d = new Date ().
                      let worken - student
  console log (d);
  console log (d. get Full year ()))
  console. log (d. get Date ())
  console log (d. get Month ())
  elg (d. get House())
  elg (d-get minutes ())
  cley (d. get seconds ())
```