stores rew templete for orealing objects. They were overpulated observes rew templete for overly objects. They were overpulated observes consists of desires until rook to most on data. classes consists of function realled constructor.

57) Dostrutuy of objects.

The allows us to extract multiple proposition variations.

From an array at a Time.

53) Inheritaire

Therefore you be defore a doss that take not finisherality
from a povert class 2, allows you to add more

claus Porson ?.
construtor (name) ?

this. Name = name',

3 greet () & ley (" hi & 9 this. name 3");

conselley (" hi & 9 this. name 3");

3 3 class student. extends ponson

Let shotet 1 = new steel ('Tim');
studd 1. great ();

(4) what is super indones.

-> The super reguest in usual ter well the constructor of at pared closes to acres the pared proporting or methods.

```
Lege Jon minery part 1 man
constructor.
                                   remember the naritable and files
          chasine.
           7 to the ablity to
                                    en the outer scape is luen as closure.
          down bolo, un. hosts
              funtin add ()
                  let conten=10
                      fution Inexemit ()
                       2 count += 1',
                         3 iverunt ()
                         reten conter;
                      5 ande. log (add ())
 50) what in Amostray renders or winter the further
       A posselve releger is called an Armstrag number if the sum of a cubos.
of each olight is sequal the number itself.
          fuilion Am. (organd-num) &
                  let sem=0',
                  ulde (temporary - run 20)
                             let orenamely = temporary -rum. 9010;
                          con est const- trenavilles = nenavilles.
                             for ( It); Afguel. () grades ot. man-tasjano ); i=i tel ) ref
                                   oremailer - const-remainder * remainder
                                       sum + = sumaindy;
temporary=num = parenoind Hamponery-num:/10);
                               Unin- longero = = muss. It
                                            2 oly & lay ( original-num),
```

```
· white fection . to Reverse a solving . (with using built in).
          futien reurss(str)
             Van a= " ',
            les ( uar 1=0; 12= sh. leigth 1 a; i++)
                   a = < b, [i];
                   Str II J= 3th Est. length-1-1];
                   3tr [ str. length-i-1]= 1;
                   B solum str.
                    3 van str='abcde';
                         Junear (pt.)
       · fuetra to calculate the frequery of ocurace of cook number. 04:[1,1,213,44]
         const .courts = $3;
         const sample array = [1,2,3,4,4];
        Sample Anney. Joreach. (DL) => & coults [DU] = (coults DV) 110 )+1; 3);
        How do you loop through on object.
     -> using for in loop.
        Furtue for Paludasme
47)
          Justin . padi . (string ) 9
                const len = strig . length',
                 ter ( let i=0', i L don/a', i++)
                      ? if I string [i] = = strugh [len-1-i])
                           2 ordiner not palisher!
                           abre & situation policien';
```

(1) unite funtion to many a arrays quemous despects without use is intailifiation finction muge Amayo (and, and 2) let ever = our 1, concert (corna); Let nearly Aver = [] ; les (det i of avos) if (amorpur remulars. induscof (i) == 1-1) 7 reundour, push(i); 3 5 console. log (neur ar). Let ann 2 = [2,4,6] Let ann 2 = [6,4,8] consale. g. merge-Asvays (and a). whith a futer on sorting the rember is ascerdey order. Luken sortery (rum) 3 return number (num, to stry (), split (''), soil ((ub) =) bta). ioin' console. Log. (sorting (54321)) oulde function on remoung adupticate. fution i uniquel con) & Let uniquet = [] Jest det i'ef vain) ? 1) Cunique anon. index of (i) == -1) E ! (1) Keug. ros Ainjoner & G consol. log (Unicy Aron); 3 of unique (array) Const array =[1,2,2,3,13,9]

What are escape characters in JS

Characters absect to begin an escape command in sorder to.

Creente some operation. They are characters that can be interpreted in some otherwise that wan be interpreted in in frad as an escape that ruled we interest to. IS use I backwhash in frad as an escape character.

32) Type of need, bandglied, corray, object.

30 object

undefined

object.

Mull = = undefined > torue

Null = = = undefined > False.

34) Différence blue == = ===

- The stait operator takes type of northle in consideration.

white non-struct operators make type countries based upon values of northle.

35) 13 xplain Tornary operators with example.

-> A ternary operator evaluates a condition and executer a black of code based on the condition.

Ez: let price = 9000; let checken = (Price >=1000)? console, log (Por checken); Explain spread apoint i mark parameter.

Spread operalm (.00) rellans us do refully copy all part of an existing range on defect. It is also used in continuous with destructing centers I individual.

reduser your relement gilbrent to your bouncique ebusors of test given yours no otri betiennon at them, themsers for it yours to trap enoce juilished it also helps in affect of the safe to

fuction total (... cuga)?

Let sum = 0;

for (bot i at anges)?

Seen += i;

return sum;

8 canada. Log (bun(1i2));

consol. Los (combin 3)

- 30) Difference between rull, undefined. 2 emply.
 - null. is an assectable in primition value that represents the null, comply.

 The discrete of a value for a variable the type of null is object.
 - -> undefined. Type of undefined is undefined i indicates a at assigned as was untile performing.

24) Difference bettieren arrau function and normal function

-> A array function is a shorter system for a function supression cond accords how its own this, respureds. These functions care best suited for non nathout function.

consot handly = () => console log ('This is curace fater').

Turbern are a set of statement, that perfor track in their futive has be declare using fundien key word, it could not be used as an expression,

Junction name (number)

25) what is the output of 5+4+4'-9-4-2.

276) what is relistructuring in JS gue an example.

unate is entragonal electron traction of our curolles &I considered tained and another to the parties are more than the parties of the property of the propert

Vous consolo. Log (one);
consolo. Log (one);
consolo. Log (two);

ett brist at variance le expet trivacuei ut seu nos eur con experior ti , enlar trivacuet es los expet directiones es los expet est en con exercise en con esta en

type of " Arriance" ; (stains)

24) Difference Letting 11. 20) what are objects methods. Raphair settimeant. The settimeout () mothod is used to call a further or evaluate an capression after a specified number of milliseconds. SotTimerent (function 1) & consolo. log ("cnm")', 3, 2000); 22) - what is callback function? an argument. This function is insubted inside the other function to complete an action. Justiers callback (name) ?, console. loog (name)!, function outterfuction (call). Let name = 'sam'; call (name); outenfunction (callback); D'afference between declariation and alfinition. > Declaration in javes script in done by war , let, and conit ou the mays to declare in juna soriet namable These are just the container for slowing dates uchere the system allocates memory by scein the about furties definite Doctinition in

```
18) Explain call and apply methods.
        The caller method invokes a function with a given eithis value.
         and argument promide, one byone.
          Voen employee = ? first name : Tim,
last name: cook;
            Lunction invite (gréating 1)
               console. log ( quiting i't this, first- Name + this. last - Name);
                inuite.call ( emplayee, "Hello");
  The apply 11 method incokes a function with a given this value and allows. You to pass in conguments as an array
           Mois employee = 9 feet-mone : 100; ; last-mone: 'Taken';
            furtier inside (greeting)

console. Log (greeting + "+ this. first_Name +"+ this. Jest_Kane).
                   invite. apply ( employee, ['Hello']),
       what is primitive of non primitive data types in Is.
          Porimilier data types are the type of dates which are immitable
           -> String
           -> Boolean.
          -> rumber
           -> rull
           -> undefined
                            data types are metable
           Non Primilia
               -> Objects
                -> Functions
                 -> Array.
```

what are all position property

Static. default unless the champet is positioned according to normal unless of thousand be charment.

- absolute: Huro the element is positioned relative to its parent.

element: the possilion is delimined by values at left, right, top bottom

Spixed: this is similar to absolute except here the elements core positioned aduling to thinks about.

Flow of the document of positioned relative to its coriginal. Normal.

-> instical: This resets the property to the algorithe maker.

inhord: Here ille slement inhords to takes the property of its parents.

15) what chose names will you give if we want to display a.

of the dign them - center = to place startically ontre de often is justify - centent - center to place horizontally centere

17) Explain haisting

Housing is a default behaviour of veur script where all the variable and function abelaration are moused to top of the scope.

Juilian do somthing 1) 2

canal log (21);

3

Thous reverse & stack them housignatedly from sight to left is carbained or coldinar reverse: stack them westically from bottom to lop of inlaring -> flex-warap: This proposely specifies at these items should be wapped or Durap: The flex items would be wrapped if reeded. I wrop: Treverse: This operation that the items would be wrapped Jex-flow: is used for sotting both the tradica & flexurap

Properties in one slatement. i ustify - unterl: used for aligning the flexitem in fossible way are: Contor, flex start, Space around, space-televen, align-items, align-content. 13) what are different display properties in then -> intere: the can display any black law element as an. inline element. -> block: une con display any untin clement as a block -> intin - block: its similar to intine except by every desplace as interestabled we can formed the dement weigh high, with -> Hest dupling elements are un Mestale structure usies -) inline - Her. desplays bless containers aux inline element in quantitatives. gride it desplay that dent as grid interior i this paroperty we can hide the Head element

- 8) what are ments and demont, of external CSS
- -> monts: the style of a few documents can controlled from the side by allying them
 - : multiple hem elements can have numerous documents sucher chas ran be made : To assemble styles in complex circumilances; solidor & grouping
- Demoits: The inclationed download is expected to import documents having
 - To render the documents the couler template ought to be stacked
 - : Mod practical for small style definitions.
- a) Ham com you create a rested such page in Hand? Using Librames
- Dox model is used to determine the hight & width of the rectorquite box. The CSS hose consists of width & height, padding, mayor 10) Exiplain css boscmodel?
- >. The Film aboumed type dictoration, also than as dady as in the first 11) what is Doctype ? Explain live rol code required in every time clownent. The daily electoralist instructs to such browser what hersion of hond page is swiller in.
 There are three suited of charlypes anailable state street doctype transitional doctype. Francset doctype.
- Flori direction: This property helps algung atwecters to spring hours algung atwecters of a Row: stacks stems hoursonably from left to right in the > colum: slick item veitically from top to bottern

Attribute Selection: The attribute solution targets elements based on the Paesence of 1 on value of that attributes, is is declared using separe input I type "Land" I by when 17 FFF; with 100 PF;

" / input type = 'test' >

4) If we rare applying how closes for some dive with different ship with apply either closes of.

-> class 2.

5) what is CGS and why we use it? Coss stands for converding style wheat. It is a popular styling bear which is used in Hind its design websites.

How cas works of con any atyling about which could be applied and extended and extended which are inline, internal and extended to applied and the control of the control o

Intermed method - is used to node a single state in that down Intermed method - is used to node a single state to sight down Extend method - is used when you want to make change multiple pages.

7) what are the new Jealure in HTML 5

-) It provider support for local storage

- -> new form controls. Like ralendar, date, time, email, ur
- -> manuas odement is promuded to familitate 20 drawing.
- > The Luideos & Laudios dements are provided torme playback.

The bold combinator of II is similar to descendent combinator, except it only. Langetes immediate child elements. 11 Solection willmatch alements that #1 contamer box ? Hoat: Left !. have class of bose & that Paddug-top: 10p. 3 are elements of children 2 div id - "container"> of # container elemente. 2 die dass- "bax" > 2/die? Zdiu > Zdiu chrus : boa' > Z/diu> To marter elements based on selector uses a general sibling combinators to marter elements based on selection or preliation ship. the related elements eure beside each aller in HTML Zdiv > hI ~ P & mangin - bottom 20 PX 1, 3. 2P > Paragraph 11P> 2P7 - x- 2/P7 LP> - x- 21P> -> Adjacent sibling combinator of A relation that uses the adjacent sibling combinator uses the plus symbol +), and is almost the same as the general sibling solector, odifference is the trongeted element must be immediate subling not just a general subling. P+P 2 text - indent: 1. sem , margin-botton: 0', } 2has Title 2/has 2P> Paragraph ex 21P? 2P) - ; - 2/P> 2 dir chars=book > LP > Purugueph LIP) LIdiv >

Full stack Assignment.

1) Explain Semantic tags > Tage which describe the particular monning to the brown and the doublepan spirit stable? I imp?

?) Explain your of school me gills owner of Franchese

Style will be applied to all the alomands on the page.

backingsmil - colon saffff

-> Element type selection: This selection matches one on more clements of the

bonder: 3 died block 1px;

with the rame value as that of the relation.

With the rame value as that of the relation.

With it cont?

Width 100Px;

does relator: dess solution malcher all element a: the page that knows their class is which set to the same value is the has

- chasses ? manginitation.

Aluchan lama : Whi

3) combinator deidor

-> Descendant combination: Lets your combined has not mark solidons on you can be more expense in your rate of notherd