JS Questions LIJIA XU (2/) 22 continue \* use tor of Not tor in Arrays function li (name) { Methods in JS are return 'Hi," + name; nothing more than object properties function. hi ("Joe"); \* ropy a reterence to Var obj = { the same function in hi: tunction () { return "Hi," + this name; another object differ Var obj2 = { name : Joe 06). hil); hame: "Bob \* prints ob; 2. hil) // prints hi Bb hi Joe constructors we defined with function tunction Employee (name, age) { this name = name; this age = age; var empl = new Employee ('Joe', 28) empl. names rimary role of the construction empl. age; function is to initialize object In Is, these are three different usage patterns of one single construct 23, Output? function User (name) { this name = name 11 "Bob"; Val person = new User ("xyz") ["location"] = "USA"; console log (person): 11 outputs USA 24 what are service workers? (known as offline first) use called resources first, and provide default experience service workers actively use promises 25 difference between a tunction = called by name and itself Method (tunction) > not associated with any object Hisw tune net defined inside any object, by its const my Func = cwg => { name and that console log ("Hello", Wg) 3 | \* It is not how you declare a function It's the way we call a function

26 what is IIF Z (Immediately Invoked

Function Expression)?

```
console. log (My/Mone Space Singleton get Instact).
IIFZ a function rums as soon as it's
defined, usually anonymous, but can be named ? helps debugging
                                             public/Nethod()); objects in Is
                                            28. ways of eventing Ofunction passed
it can return a value:
                                              tunction Employee (name, age) {
ver result = 1 temetion my IIFZ tune (paran)
                                                   this, name = name;
E console log (Hi, + param (); 3) ("Bob");
                                                   this age = age;
11 store 1 to result and pint Hi Bob
                                              var employee = new Employee ("Bob", 24);
27. Singleton Pattern in Jana Script
                                             Mothodo: Object Literal > best way to
X only one instance of an object is
                                             Var employee = {
needed throughout the lifetime of an application, object can be accessed in the page
                                                                    Method @ From
                                                                    Object using new
                                                   name : "Bob",
                                                                   var employee = new Object)
                                                   Salury: 2567, employee, mane = "Bob"
 key tentine: Global variable
                                                  get Name: tunction() {
7 A singleton as a Namespace
                                                                             Usma
                                                        return this name Object weate
var My Name Spale = {
      tind User Name ! tunction (id) { 3,
                                                                            Object execute lobi)
                                                 address 15
                                                                            Weste a new
                                                     Linel: "ABL"
 3 //console, log (My Name Space + and User Mand)
                                                                            object and set
                                                       phone: {
*Singleton Design Pattern Implementation
                                                                            05 05 125
                                                           work: 234,
                                                                            prototype
Var My Name Space = {3;
                                                           house: 567
                                                                            ** Object: crect doesnot
MyName Space Singleton = (function() &
                                                       3 Object create mill)
                                                                           Yun the constitutor
   var singleton Instance;
                                                         do not inherit proportions of object
   function constructor() {
                                            $ 129. Write a function tubes an object
    vour private Var 1 = "Bob";
                                            and creates a object copy of it.
    var private Var 2 = 21, 3, 5, 7);
                                            var newObject = deep(lone lobj);
     function private Methodi() {
3
                                             tunction deep (lone (object) {
                                                 var neulbjæt = {};
    tunction privaternethod21) {
                                                for (vew key in object) {
      11 cole
                                                   it (type of object (key) = = = object
                                                QQ object [ key] ! = = null) {
     veturus
      attribute 1: "Bob",
                                                    new Object [key] = deeplone (
      publichethod: function () {
                                                   object [hey]);
        alert ("Bob");
                                                 3e (se {
                                                    new object they] = object [hey];
                                                  31114
  return3
                                                31/for
      getLastance : timetian ()?
                                               veturn new Object;
       if (! single ton Instance) {
        single tou Instance-constructor);
                                            3 / whole function
       return singleton Zastance;
```