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| **NAME:** | **SACHIN MOHITE** |
| **Question** | **Answers** |
| What is object-oriented programming? | OOP is the programming practice in which everything revolves around the Objects. Objects have attributes. |
| What is encapsulation? | OOPs concept used for putting together related or relevant information is called encapsulation. We use structures, unions, classes for the same. |
| What is inheritance? | OOPs concept used for reusing the parent class attributes and methods in the child class is called inheritance. |
| What is meant by the term 'self-documenting code' | Self documenting code refers to the rightly commented code. Similarly, we can use Javadocs for generating documentations with the code. |
| Name some common web protocols or standards | HTTP, HTTPS, FTP, LDAP |
| What is MVC? Why do people use it, what value does it ad? | MVC Stands for Model, View and Controller. We use it for making our code structured. MVC helps us separating the UI components, business logic and database interactivity. |
| What non-verbal techniques/tools do you employ to share and discuss software concepts and problems? | I have used Codecollaborator for communicating and reviewing the on development problems and team development. We also use SVN, VSS, perforce for sharing the code and simultaneous development. |
| What are global variables? | Variables which are available in the entire scope of the application are called Global variables. |
| What are the problems with using global variables? | Different programming languages have different techniques for declaring Global variables. In Java script variables which do not have ‘var’ with it are considered as the global variables. It’s not a good practice though. We can restrict using Strict mode. |  |
| How do you organize your JavaScript code? | We normally prepare small js files and try to keep HTML code as separate as possible from JS code. Its very open ended question. I have already mentioned about the MVC. |
| What are JavaScript types? | There are six types supported in java script. Object, Number, String, Boolean, Null, and Undefined. |
| What is the difference between undefined and null? | When variable is declared it’ll be considered as ‘undefined’. If variable is declared but not assigned any value then it will be ‘null’. |
| What is the difference between == and === ? | == is used for matching the values. === is used for value and type matching. |
| What does “1″+2+4 evaluate to? What about 5 + 4 + “3″? | 124,12. Because + operator will return string when used with String and Number. But Number and String will return number. |
| What is JSON? What are some common uses of JSON? | JSON stands for JS object Notation. This is the data interchange protocol extensively used now a days. |
| What are some common uses of JSON? | It is used while fetching heavy data from the Server. |
| What's an anonymous function? | Anonymous functions are declared at the run time. |
| Where would you use anonymous functions? | We use anonymous functions |
| What's unique about functions in JavaScript? | It’s a first class objects and can be passed through functions as objects. |
| What do the following statements return? Why?  parseInt("07");  parseInt("09");  parseInt("010"); | 7, 9,8. Numbers starting with 0 are considered as the octal in Java Script. We can restrict it using Strict Mode. partInt() will convert these octal values to Decimal values. But cannot be a Octal so it will be considered as Decimal only. |
| What do the following statements return? Why?  "1" + 2 + 3;  3 + 2 + "1"; | 123, 6. Just because adding String and Number will return String. On the other hand number and string will return number.. |
| Create a Person class with public/private/privileged members and methods. | function Person (name) {  this.name = name; // Public member  var Nationality = "Indian";// Private member  this.getIdol = function ()// Privileged method  {return idol;}  }  this.getName = function () //public method  {return this.name;}  Person.town = “Pune”; // Static member |
| Why does the statement 5 \* 1.015 not return 5.075? | It will give value to the precision. It will be 5.07499999 |