

QU:1 In your own words, describe what JavaScript Code Style is.

JavaScript code style means that the code which you written is neat and easy to read for the other developers.

Try to avoid using global variables.

Give the meaningful name of the variables which you declared in your programs which are easy to pronounce also.

Use multi line comment (`/*.....*/`) at the top of the code to explain that what the code is exactly doing.

Use single line comment (`//....`) to explain the single line of the code.

Put the semicolon after each statement.

Give the space between the parameters.

Give the proper indenting of the code.

QU:2 What is a Regular Expression?

Regular expressions are used for pattern matching in a string or replace the string.

QU:3 What does the .random() method do?

.random() method returns a positive pseudo random number which is greater than or equal to 0 but less than 1.

For e.g

```
console.log(Math.random()); //display the output as 0.6365580223874302
```

If somebody is interested in between 0 to 9 limit than...

```
console.log(Math.random() * 10); //display the output as 8.183886030228768
```

If somebody is interested in integer value than...

```
console.log(Math.floor(Math.random() * 10)); //display the output as 2
```

QU:4 What does the .sort() method do?

.sort() method is used to sort the array elements in ascending order.

For e.g.

```
var vegetables = ["cucumber", "pumpkin", "tomato", "onion", "radish", "garlic"];  
console.log("Actual vegetable list is " + vegetables);  
var sortedVegetables = vegetables.sort();  
console.log("Sorted vegetables are " + sortedVegetables);
```

Output as.....

Actual vegetable list is cucumber, pumpkin, tomato, onion, radish, garlic

Sorted vegetables are cucumber, garlic, onion, pumpkin, radish, tomato

QU:5 What does the .reverse() method do?

.reverse() method is used to reverse the array elements.

For e.g.

```
var colors = ["red", "green", "yellow", "blue"];  
console.log("Actual array is " + colors);  
var newColors = colors.reverse();  
console.log("Reversed array is " + newColors);
```

Output as.....

Actual vegetable list is cucumber,pumpkin,tomato,onion,raddish,garlic

Sorted vegetables are cucumber,garlic,onion,pumpkin,raddish,tomato

QU:6 List two examples of bad JavaScript code.

1. We cannot use the reserved keywords to define as a variable names.

For e.g. var array[1, 2, 3, 4, 5, 6];

2. Variable names should be defined in Camel case not in capital letters.

For e.g. `var personName = ["john", "david", "hector"];`

QU:7 What data types can a JSON object contain?

JSON object contains 6 types of data types

1. String
2. Number
3. Boolean
4. Array
5. Object
6. Null

QU:8 What is minifying JavaScript Code?

Minifying JavaScript code means to remove the duplicate and unnecessary code from the source code without affecting the functionality of the source code.

For e.g. remove the unnecessary white spaces, comments, variables, identifiers etc.

QU:9 What is a global variable?

Global variables are those variables which are declared outside from the function and accessible by all the others functions and the script. They can be modified anywhere within the code.