****

EX-MS6 | JS Test

Javascript | 05/04/20

1. Write a program that displays current date and time in your browser.
2. Write a program to ask the user about his birthDate. Calculate and show his current age in your browser.
3. Write a JavaScript function that checks whether a passed string is palindrome or not? A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam.
4. Create array of 10 students with following properties.

• name = “ABC Student”;

• age = 20;

• student\_Id = 420;

Note: Make sure you assigned different values in properties each time.

i) Write a program to filter students that are below 30 years  
ii) Write a program to select only studentId & name of the filtered students

1. I want this code to log out "hey amy", but it logs out "hey arnold" - why?

let greet = (person)=> {

if (person == { name: 'amy' }) {

return 'hey amy'

} else {

return 'hey arnold'

}}

greet({ name: 'amy' })

1. I want this code to log out the numbers 0, 1, 2, 3 in that order, but it doesn’t do what I expect (this is a bug you run into once in a while, and some people love to ask about it in interviews).

for (var i = 0; i < 4; i++) {

setTimeout(() => console.log(i), 0)

}

1. How to preserve the immutability on my heroes list?

const heroes = [

{ name: 'Wolverine', family: 'Marvel', isEvil: false },

{ name: 'Deadpool', family: 'Marvel', isEvil: false },

{ name: 'Magneto', family: 'Marvel', isEvil: true },

{ name: 'Charles Xavier', family: 'Marvel', isEvil: false },

{ name: 'Batman', family: 'DC Comics', isEvil: false },

{ name: 'Harley Quinn', family: 'DC Comics', isEvil: true },

{ name: 'Legolas', family: 'Tolkien', isEvil: false },

{ name: 'Gandalf', family: 'Tolkien', isEvil: false },

{ name: 'Saruman', family: 'Tolkien', isEvil: true }

]  
  
  
  
const newHeroes = heroes.map(h => {

h.name = h.name.toUpperCase()

return h

})  
  
8. What will be the output of the following consoles with reason ?  
   
 if (true) {  
 let i = 0  
 console.log(i) // First console value ?   
 }  
 console.log(i) // Second console value ?  
  
9. What will be the output of the following consoles with reason ?  
  
 const names = [‘Faizan’, ‘Usman’, ‘Shayan’];  
 names.push(‘Usaman’)  
 console.log(‘names :’, names) // names ?   
  
10. Change this console value to string leteral syntax  
 var num1 = 10;

var num2 = 20;

console.log(‘The sum of’+ num1 + ‘and’ + num2 + ‘is’ + num1 + num2);  
  
11. Changes this console value to string leteral syntax  
 var a="Hello";

var b="John";

var c = a+ " " + b;

console.log(c); //outputs Hello John;  
  
12. Use spread operator for this same functionality  
 let a =[7,8,9];  
 let b = [10,12,13];  
 let c = a.concat(b) // [7,8,9,10,12,13]  
  
13. Use spread operator to solve this   
 let names = [‘usman’, ‘Sherry’]  
 userInput = ‘John’  
 let newNames = [‘usman’, ‘Sherry’, ‘John’] // Expected Output  
  
14.Get all posts using <https://jsonplaceholder.typicode.com/posts>  
 Show this on a table as per the posts properties(4 properties - 4 columns ) with extra column for comments  
 On comments column there will be a button of “Show Comments” a new tab will be opened with showing

comments of that post in a tanble. <https://jsonplaceholder.typicode.com/comments?postId=1>  
  
Note:Add answers with screenshots