Part 3: Find the culprits and nail them

1) **Fix the code to get the largest of three.**

Code:

aa = (f,s,t) => {  
 let f,s,t;  
 console.log(f,s,t);  
 if(f>s &&f>t){  
 console.log(f)}  
 else if(s>f && s>t){  
 console.log(s)}  
 else{  
 console.log(t)}  
}aa(1,2,3);

Solution:

let f,s,t;

let aa = (*f*,*s*,*t*) => {

    console.log(*f*,*s*,*t*);

    if(*f*>*s* &&*f*>*t*){

    console.log(*f*)}

    else if(*s*>*f* && *s*>*t*){

    console.log(*s*)}

    else{

    console.log(*t*)}

   }

   aa(1,2,3);

2) **Fix the code to Sum of the digits present in the number**

Code:

let n = 123;console.log(add(n));function add(n)  
{  
let sum = 10;  
for(var i=0;i<n.length;i++){  
 sum+=n[i]  
 }  
 return sum;  
}

Solution:

let n = 123;

console.log(add(n));

function add(*n*) {

    let sum = 0;

*n* = *n*.toString().split("");

    for (var i = 0; i < *n*.length; i++) {

        sum += Number(*n*[i])

    }

    return sum;

}

3) **Fix the code to Sum of all numbers using IIFE function**

Code:

const arr = [9,8,5,6,4,3,2,1];(function() {  
 let sum = 0;  
 for (var i = 0; i <= arr.length; i++);{  
 sum += arr[i];  
 }  
 console.log(sum);  
 return sum;  
})();

Solution:

const arr = [9,8,5,6,4,3,2,1];

(function() {

 let sum = 0;

 for (var i = 0; i <arr.length; i++){

 sum += arr[i];

 }

 console.log(sum);

 return sum;

})();

4) **Fix the code to gen Title caps.**

Code:

var arr = [“guvi”, “geek”, “zen”, “fullstack”];var ano = function(arro) {  
 for (var i = 0; i <= arro.length; i++) {  
 console.log(arro[i][0].toUpperCase() + arro[i].substr(1));  
 }  
}  
ano();

Solution:

var arr = ["guvi", "geek", "zen", "fullstack"];

var ano = function(*arr*) {

 for (var i = 0; i <= *arr*.length; i++) {

 console.log(*arr*[i][0].toUpperCase() + *arr*[i].substr(1));

 }

}

ano(arr);

5) **Fix the code to return the Prime numbers**

Code:

const newArray=[1,3,2,5,10];  
const myPrime=newArray.filter(num=>{  
 for(let i=2;i<=num;i++){  
 if(num%i===0)  
 {  
 return true;  
 }  
 }  
 return num===1;  
});  
console.log(myPrime);

Solution:

const newArray=[1,3,2,5,10];

const myPrime=newArray.filter((*num*)=>{

 for(let i=2;i<*num*;i++){

 if(*num*%i===0)

 {

 return false;

 }

 }

 return *num*;

});

console.log(myPrime);

6) **Fix the code to sum the number in that array**

Code:

const num = [10, 20, 30, 40,50,60,70,80,90,100]   
const sum = (a, b) =>  
 a + b  
const sum = num.reduce(sum)  
console.log(sum);

Solution:

const num = [10, 20, 30, 40,50,60,70,80,90,100]

const sum = (*a*, *b*) =>

*a* + *b*

const plus = num.reduce(sum)

console.log(plus);

7) **Fix the code to rotate an array by k times and return rotated array using IIFE function**

Code:

var arr = [1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13];  
var k = 3;  
k = arr.length % k;  
(function() {  
 arr = {};  
 out = arr.slice(k + 1, arr.length);  
 var count = out.length;  
 for (var i = 0; i < k + 1; i++) {  
 out[count] = arr[i];  
 count += 1;  
 }  
 console.log(out);})();

Solution:

var arr = [1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13];

var k = 3;

k = arr.length % k;

(function() {

  out = arr.slice(k + 1, arr.length);

 var count = out.length;

 for (var i = 0; i < k + 1; i++) {

 out[count] = arr[i];

 count += 1;

 }

 console.log(out);})();

8) **Fix the code to gen Title caps.**

Code:

var arr = [“guvi”, “geek”, “zen”, “fullstack”];(function() {  
 for (var i = 0; i <= arr.length; i++) {  
 console.log(arr[0][i].toUpperCase() + arr[i].substr(1));  
 }  
})();

Solution:

var arr = ["guvi", "geek", "zen", "fullstack"];(function() {

    for (var i = 0; i <= arr.length; i++) {

    console.log(arr[i][0].toUpperCase() + arr[i].substr(1));

    }

   })();

9) **print all odd numbers in an array using IIFE function**

Code:

var arr = [1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4];(function() {  
 for (var i = 0; i < arr.length; i++) {  
 if (arr[i] % 2 === 0) {  
 console.log(arr[i]);  
 }}  
})();

Solution:

var arr = [1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4];(function() {

    for (var i = 0; i < arr.length; i++) {

    if (arr[i] % 2 !== 0) {

    console.log(arr[i]);

    }}

   })();

10) **Fix the code to reverse.**

Code:

(function(str){  
 str1 = str.split(“ “).reverse().join(“”);  
 console.log(str1);   
})(“abcd”)

Solution:

(function(*str*){

   let str1 = *str*.split("").reverse().join("");

    console.log(str1);

   })("abcd")

11) **Fix the code to remove duplicates.**

Code:

var res = function(arr){  
 for(var i=0; i < arr.length; i++){  
 newArr = [];  
 if(newArr.indexOf(arr[i]) == -1) {  
 newArr.push(arr[i]);  
 } }  
 console.log(newArr)  
}res([“guvi”,”geek”,”guvi”,”duplicate”,”geeK”])

Solution: var res = function (*arr*) {

    newArr = [];

    for (var i = 0; i < *arr*.length; i++) {

        if (newArr.indexOf(*arr*[i]) == -1) {

            newArr.push(*arr*[i]);

        }

    }

    console.log(newArr)

}

res(["guvi", "geek", "guvi", "duplicate", "geeK"])

12)**Fix the code to give the below output:**

Expected Output:

[  
{firstName: “Vasanth”, lastName: “Raja”, age: 24, role: “JSWizard”},  
{firstName: “Sri”, lastName: “Devi”, age: 28, role: “Coder”}  
]

Code:

var array =[[[“firstname”,”vasanth”],[“lastname”,”Raje”],[“age”,24],[“role”,”JSWizard”]],[[“firstname”,”Sri”],[“lastname”,”Devi”],[“age”,28],[“role”, “Coder”]]];  
var final=[]  
while(array.length!=0)  
{  
 var outer\_remove = array.shift();  
   
 while(outer\_remove.length!=0)  
 {  
 var inner\_remove = outer\_remove.shift()  
 var key = inner\_remove[0]  
 var value =inner\_remove[1]  
 new\_object[key]=value  
 }  
 final.push(new\_object)}

Solution:

var array = [

    [["firstname", "vasanth"], ["lastname", "Raje"], ["age", 24], ["role", "JSWizard"]],

    [["firstname", "Sri"], ["lastname", "Devi"], ["age", 28], ["role", "Coder"]]

];

var final = []

while (array.length != 0) {

    var new\_object = {}

    var outer\_remove = array.shift();

    while (outer\_remove.length != 0) {

        var inner\_remove = outer\_remove.shift()

        var key = inner\_remove[0]

        var value = inner\_remove[1]

        new\_object[key] = value

    }

    final.push(new\_object)

}

console.log(final)

13)**Fix the code to give the below output:**

Sum of odd numbers in an array

Code:

var as=[12,34,5,6,2,56,6,2,1];  
var s=as.reduce(function(a,c){  
 if(c%2!=0)  
 {  
 return a+c;  
 }  
 return a;});  
console.log(s);

Solution:

var as = [1, 12, 34, 5, 6, 2, 56, 6, 2, 1];

var s = as.reduce(function (*a*, *c*, *i*) {

   if (*i* == 1) {

        if (*a* % 2 != 0 && *c* % 2 != 0) {

            return *a* + *c*;

        } else if (*a* % 2 != 0) {

            return *a*;

        } else if (*c* % 2 != 0) {

            return *c*;

        } else {

            return 0;

        }

    }

    if (*c* % 2 != 0) {

        return *a* + *c*;

    }

    return *a*;

});

console.log(s)

14) **Fix the code to give the below output:**

Swap the odd and even digits

Code:

aa = data=>{  
 var a=data;  
for(i=0;i<a.length-1;i++){  
 var l=’’;  
 var s=a[i+1]  
 var b=a[i]  
 l+=s  
 l+=b  
 i=i+1  
}  
if((a.length%2)!=0){  
 l+=a[a.length-1]  
}  
console.log(l);  
}aa(“1234”);

Solution:

aa = *data* => {

    var a = *data*;

    var l = '';

    for (i = 0; i < a.length - 1; i++) {

        var s = a[i + 1]

        var b = a[i]

        l += s

        l += b

        i = i + 1

    }

    if ((a.length % 2) != 0) {

        l += a[a.length - 1]

    }

    console.log(l);

}

aa("1234");