**GUVI: Zen Class — Part 3: Find the culprits and nail them — debugging javascript**

**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:**

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);

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**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;  
let div = 0;

while(n>0){

div = n%10;

sum += div;

n = Math.floor(n/10);

}  
 return sum;  
}

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**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];

const result= function() {

return function result(arr1){  
 let sum = 0;  
 for (var i = 0; i <= arr.length; i++);{  
 sum += Number(arr[i]);  
 }  
 return sum;

};  
}();

console.log(result(arr));

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

if(typeof arr[i] !== ‘undefined’){  
 console.log(arr[i][0].toUpperCase() + arr[i].substr(1));

}  
 }  
}  
ano();

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**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 && num!==2)  
 {  
 return false;  
 }else{

return true;

}  
 }  
 return num===1;  
});  
console.log(myPrime);

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**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 = num.reduce(function(a,b){

return a+b;

});  
console.log(sum);

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**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;  
var 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);})();

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

if(typeof arr[i] !== ‘undefined’){  
 console.log(arr[i][0].toUpperCase() + arr[i].substr(1));

}  
 }

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**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]);  
 }}  
})();

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**Fix the code to reverse.**

Code:

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

Solution:

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

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**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”]);

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**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=[];

var new\_object=[];  
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)}

console.log(new\_object);

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**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=[12,34,5,6,2,56,6,2,1];  
var s=as.reduce((a, c) => c % 2 === 0

? {odd: a.odd, even: a.even + c}

: {even: a.even, odd: a.odd+c},

{even:0, odd:0});

console.log(s.odd);

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**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”);