# DAY 06

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);

Ans:- 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;

}

Ans :- let n = 123

console.log(add(n))

function add(n) {

let sum = 0

while (n) {

sum += n % 10

n = Math.floor(n / 10)

}

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;

})();

Ans:-(function () {

let sum = 0 ;

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

sum += arr[i];

}

console.log(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();

Ans:- var arr = ['guvi', 'geek', 'zen', 'fullstack']

var ano = function () {

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

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

}

}

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);

Ans:- const myPrime = newArray.filter((num) => {

for (let i = 2; i < num; i++) {

if (num % i === 0) {

return false ;

}

}

return num > 1 ;

})

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);

Ans:-var sum = (a, b) => a + b

sum = num.reduce(sum)

console.log(sum)

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);})();

Ans:-(function () {

out = arr.slice(k, arr.length)

var count = out.length

for (var i = 0; i < k + 1; i++) {

out[count] = arr[i]

count += 1

}

console.log(out)

})()

8. 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]);

}}

})();

Ans:-(function () {

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

if (arr[i] % 2 !== 0) {

console.log(arr[i]);

}

}

})()

9. Fix the code to reverse.

Code:

(function(str){

str1 = str.split(“ “).reverse().join(“”);

console.log(str1);

})(“abcd”)

Ans:-(function (str) {

str1 = str.split("").reverse().join("")

console.log(str1)

})('abcd')

10. 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”])

Ans:- newArr = [];

var res = function (arr) {

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"]);

11. 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)

}

Ans:-

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();

var new\_object = {};

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);

12. 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);

Ans:- var s = as.reduce(function (a, c) {

if (c % 2 != 0) {

return a + c

}

return a

}, 0)

13. 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”);

Ans:- 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')