GUVI Assignment -5

1. Do the below programs in anonymous function and IIFE.
2. Print odd numbers in an array

var arr=[1,2,3,4];

var answer = function(arr) {

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

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

console.log(arr[i]);

}

}

answer(arr);

(function(arr) {

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

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

console.log(arr[i]);

}

}) (arr);

b. Convert all the strings to title caps in a string array

var arr=["apple", "orange", "banana", "kiwi"];

let result = function(arr) {

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

var first\_letter = arr[i].slice(0,1);

var remaining\_letters = arr[i].slice(1,arr[i].length);

console.log(first\_letter.toUpperCase()+remaining\_letters);

}

}

result(arr);

var arr=["apple", "orange", "banana", "kiwi"];

(function(arr) {

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

var first\_letter = arr[i].slice(0,1);

var remaining\_letters = arr[i].slice(1,arr[i].length);

console.log(first\_letter.toUpperCase()+remaining\_letters);

}

} ) (arr);

C. Sum of all numbers in an array

var sum = function(){

var num = [1,2,3,4];

var tot = 0;

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

tot = tot + parseInt(num[i]);

}

return tot;

}

console.log(sum());

var num = [1,2,3,4];

(function(num){

var tot = 0;

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

tot = tot + parseInt(num[i]);

}

return tot;

})();

F. Return median of two sorted arrays of same size

var arr1 = [1,2,3,4];

var arr2 = [11,12,13,14];

var res1 = function () {

for (var i=0; i<arr1.length; i++){

if(arr1.length % 2 === 0)

return (arr1[i+1]+arr1[i+2])/2;

if(arr1.length % 2 !==0)

return arr1[i+1];

}

}

var res2 = function () {

for (var i=0; i<arr2.length; i++){

if(arr2.length % 2 === 0)

return (arr2[i+1]+arr2[i+2])/2;

if(arr2.length % 2 !==0)

return arr2[i+1];

}

}

console.log(res1());

console.log(res2());

var arr1 = [1,2,3,4];

var arr2 = [11,12,13,14];

(function () {

for (var i=0; i<arr1.length; i++){

if(arr1.length % 2 === 0)

return (arr1[i+1]+arr1[i+2])/2;

if(arr1.length % 2 !==0)

return arr1[i+1];

}

}) ();

(function () {

for (var i=0; i<arr2.length; i++){

if(arr2.length % 2 === 0)

return (arr2[i+1]+arr2[i+2])/2;

if(arr2.length % 2 !==0)

return arr2[i+1];

}

}) ();

G. Remove duplicates from an array.

var arr = ['a','b','b','c'];

var res = function() {

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

if(arr[i]===arr[i+1])

var ans = arr.splice(i,1,arr[i]);

}

return ans;

}

console.log(res());

var arr = ['a','b','b','c'];

(function() {

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

if(arr[i]===arr[i+1])

var ans = arr.splice(i,1,arr[i]);

}

return ans;

}) ();

1. Do the below programs in arrow functions
2. Print odd numbers in an array.

var arr = [1,2,3,4];

var res = () => {

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

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

console.log(arr[i]);

}

}

console.log(res());

b. Convert all the strings to title caps in a string array.

var arr = [“pencil”, “rubber”, “needle”, “scale”];

var res = () => {

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

var first\_letter = arr[i].slice(0,1);

var remaining\_letters = arr[i].slice(1,arr[i].length);

console.log(first\_letter.toUpperCase()+remaining\_letters);

}

}

console.log(res());

c. Sum of all numbers in an array.

var res = () => {

var num = [1,2,3,4];

var tot = 0;

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

tot = tot + parseInt(num[i]);

}

return tot;

}

console.log(res());