1) Do the below programs in anonymous function & IIFE

a. Print odd numbers in an array

Anonymous:

let a = function () {

for (i = 1; i <= 10; i++) {

if (i % 2! = 0)

console.log(i)

}

}

a ();

IIFE:

(function () {

for (i = 1; i <= 10; i++) {

if (i % 2! = 0)

console.log(i)

}

})();

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

Anonymous:

let a = function (b) {

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

c = b[i].toUpperCase()

console.log(c)

}

}

a (["ads", "bat"])

IIFE:

(function (b) {

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

c = b[i].toUpperCase()

console.log(c)

}

}) (["abc", "cde"]);

c. Sum of all numbers in an array

Anonymous:

let a = function (b) {

sum = 0

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

sum += b[i]

}

return sum

}

console.log (a ([1, 2, 3]))

IIFE:

(function (b) {

sum = 0

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

sum += b[i]

}

console.log(sum)

}) ([1, 2, 3]);

d. Return all the prime numbers in an array

Anonymous:

let a = function (b) {

b.forEach(function (a) {

count = 0

for (i = a - 1; i > 1; i--) {

if (a % i == 0)

count++

}

if (count == 0)

console.log(a)

})

}

a ([10, 5, 26, 7, 41])

IIFE:

(function (b) {

b.forEach(function (a) {

count = 0

for (i = a - 1; i > 1; i--) {

if (a % i == 0)

count++

}

if (count == 0)

console.log(a)

})

}) ([10, 5, 26, 7, 41]);

e. Return all the palindromes in an array

Anonymous:

let a = function (b) {

b.forEach(function (a) {

c = a.split("").reverse().join("")

if (a == c)

console.log(a)

})

}

a (["radar", "abcde", "mom"]);

IIFE:

(function (b) {

b.forEach(function (a) {

c = a.split("").reverse().join("")

if (a == c)

console.log(a)

})

}) (["radar", "abcde", "mom"]);

f. Return median of two sorted arrays of same size

Anonymous:

let a = function (b, c) {

b.sort((a, b) => a - b)

c.sort((a, b) => a - b)

console.log (b [parseInt(b.length / 2)], c[parseInt(c.length / 2)])

}

a ([3, 4, 2, 1, 5], [9, 7, 8, 6, 10]);

IIFE:

(function (b, c) {

b.sort((a, b) => a - b)

c.sort((a, b) => a - b)

console.log (b[parseInt(b.length / 2)], c[parseInt(c.length / 2)])

}) ([3, 4, 2, 1, 5], [9, 7, 8, 6, 10]);

g. Remove duplicates from an array

Anonymous:

let a = function (b) {

c = []

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

if (i == b.indexOf(b[i]))

c.push(b[i])

}

return c

}

console.log (a ([9, 6, 6, 5, 4, 9]));

IIFE:

(function (b, c) {

c = []

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

if (i == b.indexOf(b[i]))

c.push(b[i])

}

console.log(c)

}) ([9, 6, 6, 5, 4, 9]);

h. Rotate an array by k times

Anonymous:

let a = function (b, c) {

for (i = 0; i < c; i++) {

e = b.shift()

b.push(e)

}

console.log(b)

}

a ([1, 2, 3, 4, 5], 2);

IIFE:

(function (b, c) {

for (i = 0; i < c; i++) {

e = b.shift()

b.push(e)

}

console.log(b)

}) ([1, 2, 3, 4, 5], 2);

2) (Submission not needed) <https://medium.com/@reach2arunprakash/guvi-zen-class-javascript-warm-up-programming-problems-15973c74b87f>

3) Do the below programs in arrow functions

1. Print odd numbers in an array

let a = () => {

for (i = 1; i <= 10; i++) {

if (i % 2! = 0)

console.log(i)

}

}

a ();

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

let a = (b) => {

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

c = b[i]. toUpperCase()

console.log(c)

}

}

a (["ads", "bat"])

1. Sum of all numbers in an array

let a = (b) => {

sum = 0

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

sum += b[i]

}

return sum

}

console.log (a ([1, 2, 3]))

1. Return all the prime numbers in an array

let a = (b) => {

b.forEach(function (a) {

count = 0

for (i = a - 1; i > 1; i--) {

if (a % i == 0)

count++

}

if (count == 0)

console.log(a)

})

}

a ([10, 5, 26, 7, 41])

1. Return all the palindromes in an array

let a = (b) => {

b.forEach(function (a) {

c = a.split("").reverse().join("")

if (a == c)

console.log(a)

})

}

a (["radar", "abcde", "mom"]);

4) Practice(submission not needed) - <https://medium.com/@reach2arunprakash/www-guvi-io-zen-d395deec1373>