

# Algoritmos III

x=5  
y=5

① function a(x,y){  
    Return 5;  
}  
console.log(a(5,5)).  
Respt: 5

③ function a(x){ x=2  
    z = [];  
    z.push(x);  
    z.pop();  
    z.push(x);  
    z.push(x);  
    return z;  
}  
y = a(2);  
y.push(5);  
console.log(y);

⑤ function a(x){  
    for (var i=0; i < x.length; i++){  
        if (x[i] > 0){  
            x[i] = "Coding";  
        }  
    }  
    return x;  
}  
console.log(a([1,2,3,4]));

② function a(x,y){  
    x=2  
    y=2  
    z = []  
    z.push(x);  
    z.push(y);  
    z.push(5);  
    console.log(z);  
    return z;  
}  
b = a(2,2);  
console.log(b);  
console.log(a(6,8));

④ function a(x){  
    if (x[0] < x[1]){  
        return true;  
    }  
    else{  
        return false;  
    }  
}  
b = a([2,3,4,5]);  
console.log(b);  
Respt = true

### Algoritmos III

⑥ function a(x) { x = [5, 7, -1, 4]

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

if (x[i] > 5) {

x[i] = "codius";

} else if (x[i] < 0) {

x[i] = "Do, 0";

}

return x;

} console.log(a([5, 7, -1, 4])) ⇒ console.log([5, "codius", "Do, 0", 4])

i | 0  
1  
2  
3

RespT = [5, "codius", "Do, 0", 4]

→ [5, "codius", "Do, 0", 4]

→ x = [5, "codius", -1, 4] [5, "codius", "Do, 0", 4]

⑦ function a(x) { x = [5, 10]

if (x[0] > x[1]) {

return x[1];

} return 10;

} b = a([5, 10]) / 10

console.log(b); console.log(10)

RespT = 10

⑧ function sum(x) {

sum = 0;

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

sum = sum + x[i];

console.log(sum);

} return sum;

}

"NO SE LLAMA A LA FUNCIÓN, por lo tanto NO HACE nada."

RespT



### Algoritmo III = 2<sup>a</sup> parte

1) Function PrintAverage(x) {  
  sum = 0;

} y = PrintAverage([1, 2, 3]);  
  console.log(y);

y = PrintAverage([2, 5, 8]);  
  console.log(y);

~~2~~

Respt: 2, 5

for (var i = 0; i < x.length; i++) {  
  sum = sum + x[i];

} return sum / 3;

} y = PrintAverage([1, 2, 3]);  
  console.log(y);  
y = PrintAverage([2, 5, 8]);  
  console.log(y);

x = [1, 2, 3]    6/3 = 2  
y = [2, 5, 8]    15/3 = 5

2) Function ReturnOddArray()

{  
  y = ReturnOddArray();  
  console.log(y);

"CREA UN ARRAY CON TODOS LOS  
ENTEROS IMPARES (ENTRE 1 Y 255)  
1 Y 255"

3) Function SquareValue(x) {

  return x;

} y = SquareValue([1, 2, 3]);  
  console.log(y);

y = SquareValue([2, 5, 8]);  
  console.log(y);

Respt  
[1, 4, 9]  
[4, 25, 64]

x = [1, 2, 3]

elevar al cuadrado cada valor del  
array.

for (let i = 0; i < x.length; i++) {  
  x[i] = x[i] \* x[i];  
} return x;