# Ejercicio 1

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 1</title>

</head>

<body>

<div class="container">

<p id="p" >

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever si nce the 1500s, when an unknown printer took a galley of type and scramble d it to make a type specimen book.

</p>

<button type="submit" onclick="tamaño()">Tamaño</button>

<button type="submit" onclick="color()">Color</button>

<button type="submit" onclick="fuente()">Fuente</button>

<script>

function color() {

p = document.getElementById('p'); if ( p.style.color == 'black' ) {

p.style.color = 'blue';

} else {

p.style.color = 'black';

}

}

function tamaño() {

p = document.getElementById('p');

if ( p.style.fontSize == '20px' ) { p.style.fontSize = '12px';

} else {

p.style.fontSize = '20px';

}

}

function fuente() {

document.getElementById("p").style.fontFamily = "Arial";

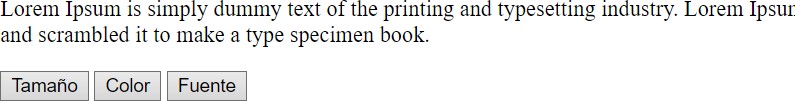
}

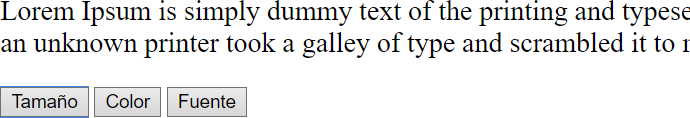
</script>

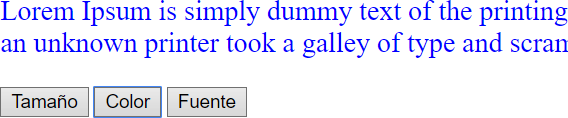
</div>

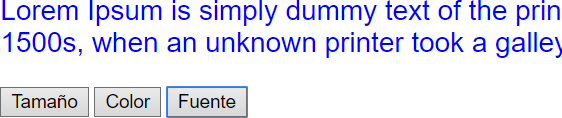
</body>

</html>









# Ejercicio 2

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 2</title>

</head>

<body>

<div class="container mt-5">

<p>Elija una opcion de medida del angulo:<br></p>

<button style="text-

align: center;" type="submit" onclick="calculoGrados()">Grados</button>

<button style="text-

align: center;" type="submit" onclick="calculoRadianes()">Radianes</butto n>

<script>

var pi=3.1415;

function calculoGrados(){

let grados=prompt("Introduzca los grados para operar: "); document.write("El seno de "+grados+"º es <b>"+Math.sin(grado

s)+"</b><br>");

document.write("El coseno de "+grados+"º es <b>"+Math.cos(gra dos)+"</b><br>");

document.write("La tangente de "+grados+"º es <b>"+Math.tan(g rados)+"</b><br>");

}

function calculoRadianes(){

let radianes=prompt("Introduzca el angulo en radianes para de volver el angulo: ");

document.write("El arco "+radianes+" radianes equivale a un a ngulo de <b>"+radianes\*(180/pi)+"º </b><br>");

document.write("El arco coseno de "+radianes+" radianes equiv ale a <b>"+Math.cos(radianes\*(180/pi))+"º </b><br>");

document.write("La arco tangente de "+radianes+" radianes equ ivale a <b>"+Math.tan(radianes\*(180/pi))+"º </b><br>");

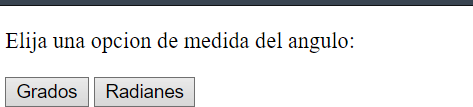
}

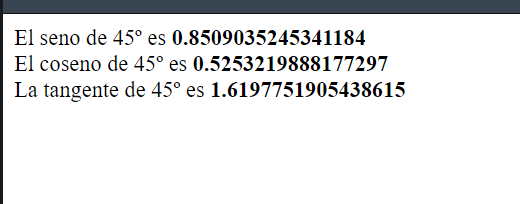
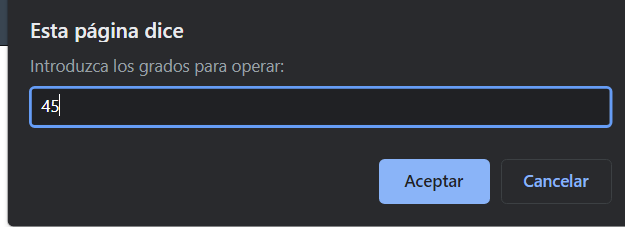
</script>

</div>

</body>

</html>





# Ejercicio 3

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 3</title>

</head>

<body>

<script>

let num2=prompt("Introduzca el numero a multiplicar"); for(i=1;i<=num2;i++){

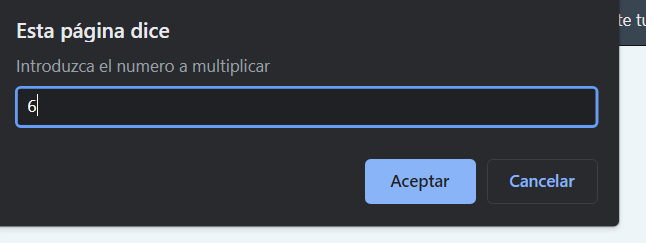
document.write(+num2+" X "+i+ " = "+num2\*i+"<br>");

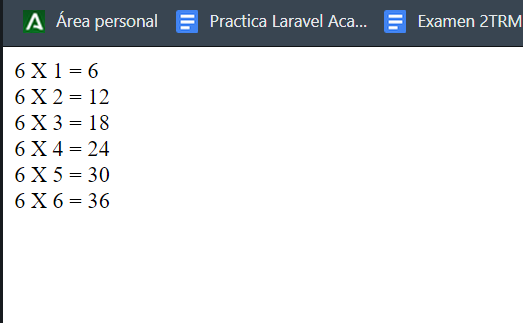
}

</script>

</body>

</html>





**Ejercicio 4**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 4</title>

</head>

<body>

<script>

let num=Math.floor(Math.random() \* 11); let num2=Math.floor(Math.random() \* 11);

let respuesta=prompt("¿Cuanto es "+num+" x "+num2+" ?"); if(respuesta != num\*num2){

document.write("La respuesta es incorrecta,prueba otra vez.")

;

}else{

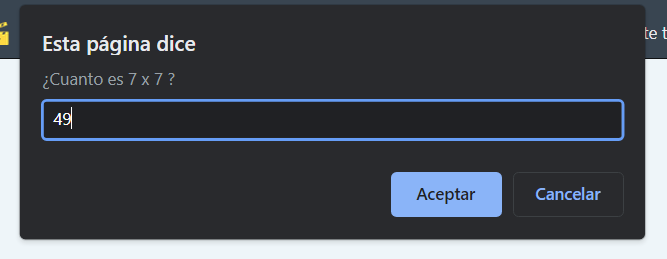
document.write("Enhorabuena, "+respuesta+" es la respuesta es correcta");

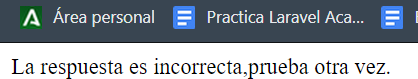
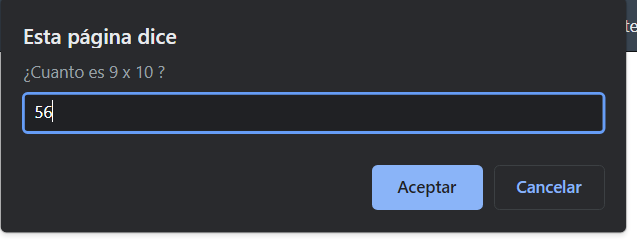
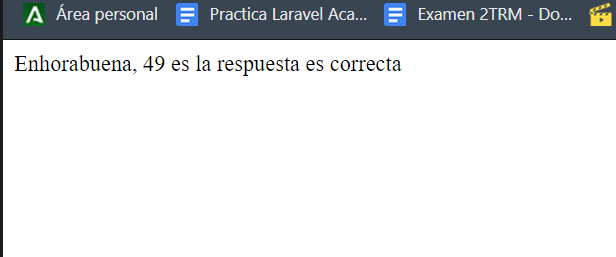
}

</script>

</body>

</html>





# Ejercicio 5

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 5</title>

</head>

<body>

<script>

let d=prompt("Introduzca el dia: "); let m=prompt("Introduzca el mes: "); let a=prompt("Introduzca el año: ");

document.write( validarFecha(d,m,a) + "<br />");

function validarFecha ( d, m, a )

{

var ok = true;

if( (a < 1900) || (a > 2050) || (m < 1) || (m > 12) || (d < 1) || (d

> 31) )

ok = false; else

{

if((a%4 != 0) && (m == 2) && (d > 28)) ok = false;

else

{

if( (((m == 4) || (m == 6) || (m == 9) || (m==11)) && (d>30)) |

| ((m==2) && (d>29)) )

ok = false;

}

}

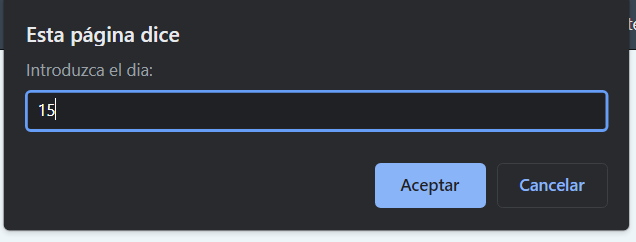
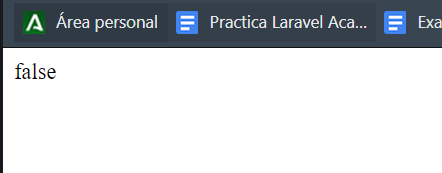
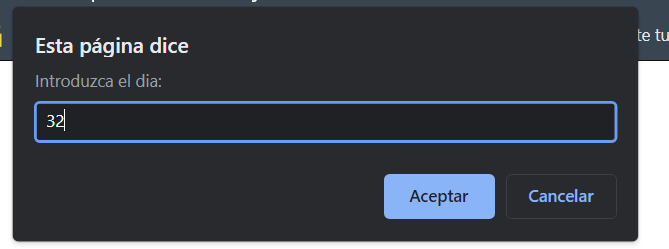
return ok;

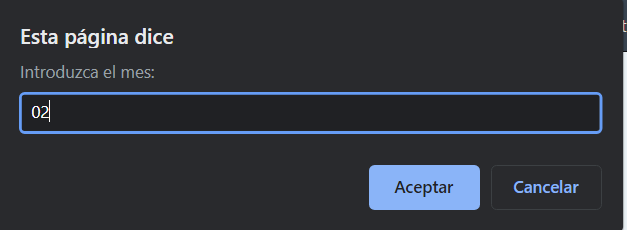
}

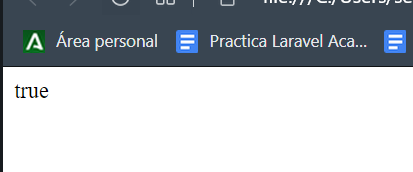
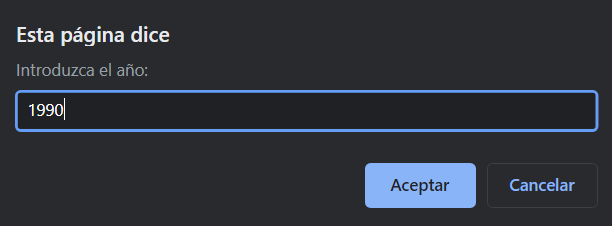
</script>

</body>

</html>







**Ejercicio 6**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 6</title>

</head>

<body>

<script>

let anio=prompt("Introduce el año:"); let mes=prompt("Introduce el mes:");

let dia=prompt("Introduce el dia:");

let fecha = new Date(dia+"/"+mes+"/"+anio); let ahora=new Date();

let edad = ahora.getFullYear()-fecha.getFullYear(); fecha.setFullYear(ahora.getFullYear);

if(ahora<fecha){

--edad;

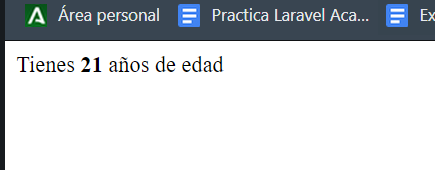
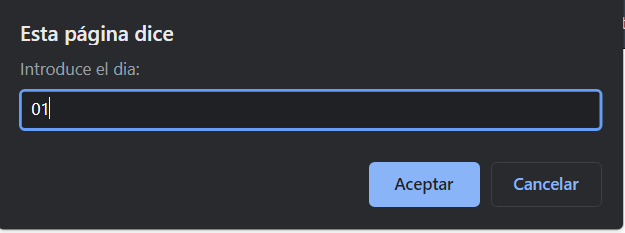
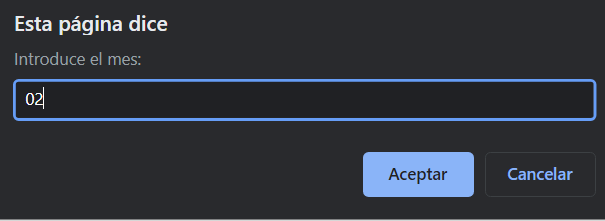
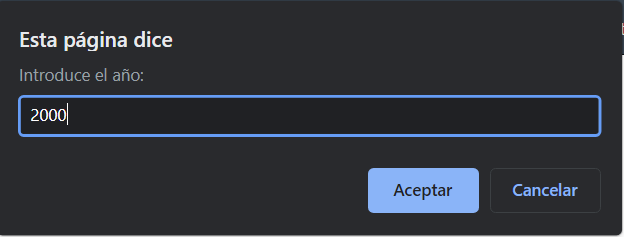
}

document.write('Tienes <b>'+edad+"</b> años de edad");

</script>

</body>

</html>



# Ejercicio 7

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 7</title>

</head>

<body>

<script>

let array = Array.from({length: 10}, () => Math.floor(Math.random () \* 10));

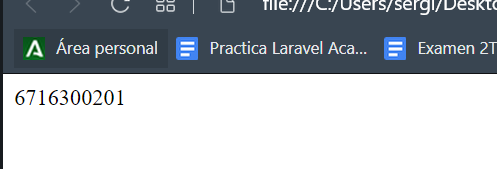
array.forEach(function(item,index,arr){ document.write(item);

});

</script>

</body>

</html>



**Ejercicio 8**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 8</title>

</head>

<body>

<button type="submit" onclick="insertar()">Insertar</button>

<button type="submit" onclick="visualizar()">Visualizar</button>

<button type="submit" onclick="mayor()">Mayor</button>

<button type="submit" onclick="menor()">Menor</button>

<button type="submit" onclick="posicion()">Posicion del maximo</butto

n>

<button type="submit" onclick="suma()">Suma</button>

<button type="submit" onclick="media()">Media</button>

<button type="submit" onclick="ordenacion()">Ordenacion</button>

<script>

var array= [1,7,9,4,10,5,2,8,3,6];

function insertar(){

let numero=prompt("Introduce el numero que desea añadir"); array.push(numero);

}

function visualizar(){ document.write(array+"<br>");

}

function mayor(){ var mayor = 0;

for(i = 0; i < array.length; i++){ if (array[i] > mayor)

{

mayor = array[i];

}

}

document.write(mayor);

}

function menor(){

var menor = Math.min.apply(null, array);

document.write(menor);

}

function posicion(){

var mayor = Math.max.apply(null, array); const posicion=array.indexOf(mayor); document.write("La posicion es la "+posicion);

}

function suma(){

const suma=(acumulador,actual)=>acumulador+actual; document.write(array.reduce(suma));

}

function media(){

const suma=(acumulador,actual)=>acumulador+actual; let media=array.reduce(suma)/array.length; document.write("La media es : "+media);

}

function ordenacion(){ array.sort(function (a,b){

return a-b;

});

document.write(array);

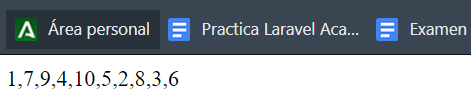
}

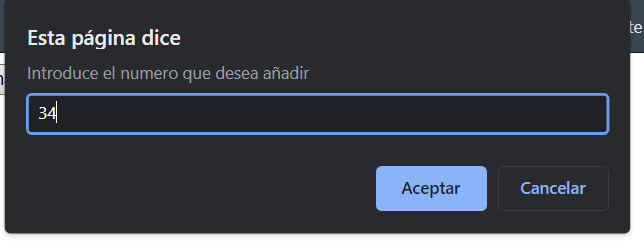
</script>

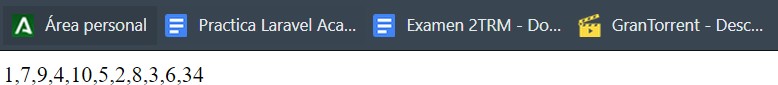
</body>

</html>

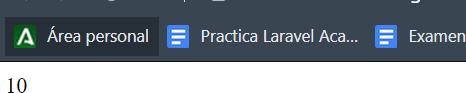




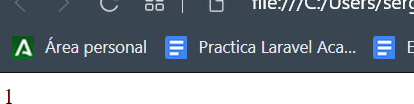


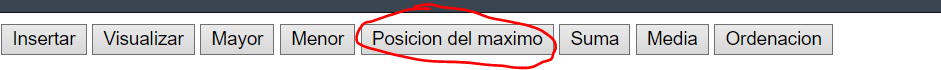


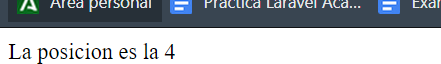






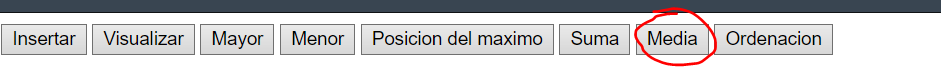


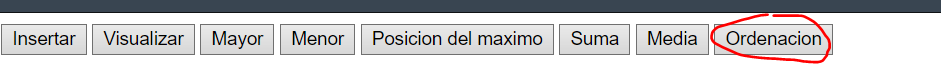
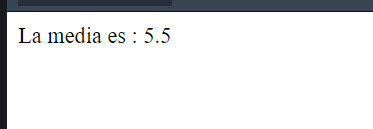














# Ejercicio 9

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejerccio 9</title>

</head>

<body>

<button type="submit" onclick="añadir1()">Añadir al Array1</button>

<button type="submit" onclick="añadir2()">Añadir al Array2</button>

<button type="submit" onclick="mostrar()">Mostrar informacion</button

>

<script>

let array1=new Array(); let array2=new Array(); let array3 = new Array();

function mostrar(){

document.write("Array1 introducido: <br>"); document.write(array1+"<br>"); ordenar1(array1); document.write("<b>Ordenado: </b>"+array1);

document.write("<br><br>Array2 introducido: <br>"); document.write(array2+"<br>");

ordenar2(array2); document.write("<b>Ordenado: </b>"+array2); merge(array1,array2);

document.write("<br><br><b>Mezcla ordenada: </b>"+array3);

}

function ordenar1(array1){ array1=array1.sort(function (a,b){

return a-b;

});

}

function ordenar2(array2){ array2=array2.sort(function (a,b){

return a-b;

});

}

function añadir1(){

let numero=Number(prompt("Introduce el numero que desea añadi

r"));

array1.push(numero);

}

function añadir2(){

let numero=Number(prompt("Introduce el numero que desea añadi

r"));

array2.push(numero);

}

function merge(array1, array2) { while (array1.length && array2.length) {

if (array1[0] < array2[0]) {

array3.push(array1.shift());

} else { array3.push(array2.shift());

}

}

//uso el operador de propagación spread y creo una nueva matriz, combin ando las tres matrices para

//que no se quede huerfano el ultimo numero mas grande array3= [...array3, ...array1, ...array2];

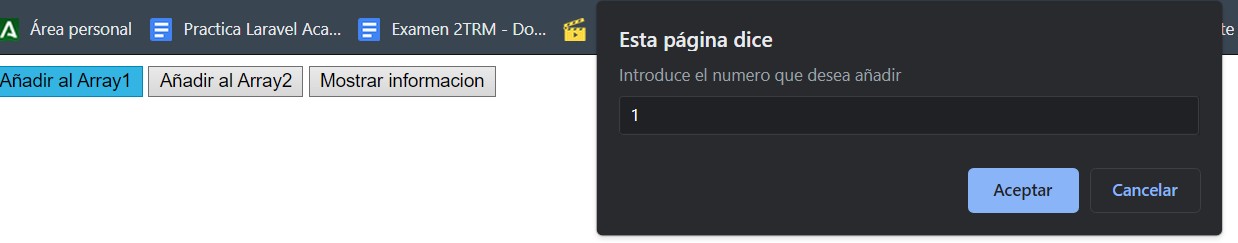
}

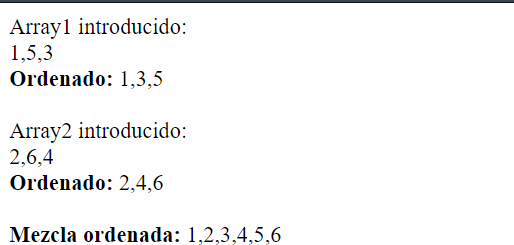
</script>

</body>

</html>

**Añadimos 1,5,3 al 1º array y 2,6,4 al 2º**





<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial- scale=1.0">

<title>Ejercicio 10</title>

</head>

<body>

<script>

let meses = ['Enero', 'Febrero', 'Marzo', 'Abril', 'Mayo', 'Junio ', 'Julio', 'Agosto', 'Septiembre', 'Octubre',

'Nombiembre', 'Diciembre'

];

let d = prompt("Introduzca el dia: ");

let posicion = prompt("Introduzca el mes: "); while (posicion < 1 || posicion > 12) {

alert("El mes introducido no es valido"); posicion = prompt("Introduzca el mes: ");

}

let a = prompt("Introduzca el año: ");

let mes = meses[posicion - 1];

if ((a < 1900) || (a > 2050) || (d < 1) || (d > 31)) document.write("la fecha es erronea");

else {

if ((a % 4 != 0) && (posicion == 2) && (d > 28)) document.write("la fecha es erronea");

else {

if ((((posicion == 4) || (posicion == 6) || (posicion == 9) || (posicion == 11)) && (d > 30)) || ((posicion == 2) && (d > 29))){

document.write("la fecha es erronea");

}else

document.write("Dia " + d + " de " + mes + " de " + a);

}

}

</script>

</body>

</html>

