1. **Find Sum of Two Numbers Using JavaScript**

<!doctype html>

**<html>**

**<head>**

**<script>**

**function** add(){

**var** a,b,c;

a=Number(document.getElementById("first").value);

b=Number(document.getElementById("second").value);

c= a + b;

document.getElementById("answer").value= c;

}

**</script>**

**</head>**

**<body>**

Enter the First number : **<input** id="first"**>**

Enter the Second number: **<input** id="second"**>**

**<button** onclick="add()"**>**Add**</button>**

**<input** id="answer"**>**

**</body>**

**</html>**

## Swap two Number Program in JavaScript

1. <!doctype html>
2. **<html>**
3. **<head>**
4. **<script>**
5. **function** swap(){
6. **var** a,b,c;
7. a=Number(document.getElementById("first").value);
8. b=Number(document.getElementById("second").value);
9. c=a;
10. a=b;
11. b=c;
12. document.getElementById("answer1").value= a;
13. document.getElementById("answer2").value= b;
14. }
15. **</script>**
16. **</head>**
17. **<body>**
18. Value of a: **<input** id="first"**>**
19. Value of b: **<input** id="second"**></br></br>**
20. **<button** onclick="swap()"**>**Swap**</button></br></br>**
21. Value of a: **<input** id="answer1"**>**
22. Value of b: **<input** id="answer2"**>**
23. **</body>**
24. **</html>**

## 3) JavaScript Program to Check Odd Even Number

<!doctype html>

**<html>**

**<head>**

**<script>**

**function** odd\_even(){

**var** no;

no=Number(document.getElementById("no\_input").value);

**if**(no%2==0)

{

alert("Even Number");

}

**else**

{

alert("Odd Number");

}

}

**</script>**

**</head>**

**<body>**

Enter Any Number:**<input** id="no\_input"**><br** **/>**

**<button** onclick="odd\_even()"**>**Click me**</button>**

**</body>**

**</html>**

## 4) Factorial of any number in Javascript

<!doctype html>

**<html>**

**<head>**

**<script>**

**function** show(){

**var** i, no, fact;

fact=1;

no=Number(document.getElementById("num").value);

**for**(i=1; i<=no; i++)

{

fact= fact\*i;

}

document.getElementById("answer").value= fact;

}

**</script>**

**</head>**

**<body>**

Enter Num: **<input** id="num"**>**

**<button** onclick="show()"**>**Factorial**</button>**

**<input** id="answer"**>**

**</body>**

**</html>**

## 5) Prime Number Program in JavaScript

**<html>**

**<head>**

**<script** type="text/javascript"**>**

**function** calcPrimeNumber()

{

**var** beginNum = parseInt(document.numbers.firstNum.value);

**var** endNum = parseInt(document.numbers.secondNum.value);

**var** primeNumbs = **new** Array();

**var** ctr = beginNum;

**while**(ctr<=endNum)

{

**if**(isPrime(ctr)==**true**)

{

primeNumbs[primeNumbs.length] = ctr;

}

ctr = ctr+1;

}

**if** (primeNumbs.length == 0)

{

document.getElementById('output\_content').innerHTML = "There were no prime no within the range.";

}

**else**

{

outputPrimeNums(primeNumbs);

}

}

**function** isPrime(num)

{

**var** flag = **true**;

**for**(**var** i=2; i<=Math.ceil(num/2); i++)

{

**if**((num%i)==0)

{

flag = **false**;

**break**;

}

}

**return** flag;

}

**function** outputPrimeNums(primes)

{

**var** html = "<h2>Prime Numbers</h2>";

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

html += primes[i] + "<br/>";

}

document.getElementById('output\_content').innerHTML = html;

}

**</script>**

**</head>**

**<body>**

**<form** name="numbers"**>**

Beginning Number: **<input** type="text" name="firstNum" **/>**

End Number: **<input** type="text" name="secondNum" **/>**

**<input** type="button" value="Find Prime Numbers" onclick="calcPrimeNumber()" **/>**

**</form>**

**<div** id="output\_content"**>**

**</div>**

**</body>**

**</html>**

## 6) Reverse a Number Program in JavaScript

<!doctype html>

**<html>**

**<head>**

**<script>**

**function** palin()

{

**var** a,no,b,temp=0;

no=Number(document.getElementById("no\_input").value);

b=no;

**while**(no>0)

{

a=no%10;

no=parseInt(no/10);

temp=temp\*10+a;

}

alert(temp);

}

**</script>**

**</head>**

**<body>**

Enter any Number: **<input** id="no\_input"**>**

**<button** onclick="palin()"**>**Check**</button></br></br>**

**</body>**

**</html>**

## 7) Armstrong Number Program in JavaScript

<!doctype html>

**<html>**

**<head>**

**<script>**

**function** armstr()

{

**var** arm=0,a,b,c,d,num;

num=Number(document.getElementById("no\_input").value);

temp=num;

**while**(temp>0)

{

a=temp%10;

temp=parseInt(temp/10); // convert float into Integer

arm=arm+a\*a\*a;

}

**if**(arm==num)

{

alert("Armstrong number");

}

**else**

{

alert("Not Armstrong number");

}

}

**</script>**

**</head>**

**<body>**

Enter any Number: **<input** id="no\_input"**>**

**<button** onclick="armstr()"**>**Check**</button></br></br>**

**</body>**

**</html>**

## 8) Palindrome Number Program in JavaScript

<!doctype html>

**<html>**

**<head>**

**<script>**

**function** palin()

{

**var** a,no,b,temp=0;

no=Number(document.getElementById("no\_input").value);

b=no;

**while**(no>0)

{

a=no%10;

no=parseInt(no/10);

temp=temp\*10+a;

}

**if**(temp==b)

{

alert("Palindrome number");

}

**else**

{

alert("Not Palindrome number");

}

}

**</script>**

**</head>**

**<body>**

Enter any Number: **<input** id="no\_input"**>**

**<button** onclick="palin()"**>**Check**</button></br></br>**

**</body>**

**</html>**

## 9) JavaScript Program to Verify Age

**<html>**

**<head>**

**<script>**

**function** verify(){

**var** no;

no=Number(document.getElementById("age").value);

**if**(no<18)

{

alert("Under 18");

}

**else**

{

alert("You are Adult");

}

}

**</script>**

**</head>**

**<body>**

Enter your age:**<input** id="age"**><br** **/>**

**<button** onclick="verify()"**>**Click me**</button>**

**</body>**

**</html>**

## Print Star Pattern in JavaScript

## First Pattern

**<html>**

**<head>**

**<script** type="text/javascript"**>**

**var** i, j;

//outer loop

**for**(i=1; i <= 5; i++)

{

//inner loop

**for**(j=1; j<=i; j++)

{

document.write('\*');

}

document.write('<br/>');

}

**</script>**

**</head>**

**<body>**

**</body>**

**</html>**

## Second Pattern

1. **<html>**
2. **<head>**
3. **<script** type="text/javascript"**>**
4. **var** i, j;
5. //outer loop
6. **for**(i=5;i>=1;i--)
7. {
8. //inner loop
9. **for**(j=1;j<=i;j++)
10. {
11. document.write('\*');
12. }
13. document.write('<br/>');
14. }
15. **</script>**
16. **</head>**
17. **<body>**
18. **</body>**
19. </html>