

```
<html>
<head>
<title> javascript program to find largest among three numbers</title>
</head>
<body>
<script type="text/javascript">
var a=parseInt(prompt("Enter first number"));
var b=parseInt(prompt("Enter second number"));
var c=parseInt(prompt("Enter third number"));
var max=(a>b && a>c)?a : ((b>c)?b:c);
document.write("<br/> Largest number is "+max);

</script>
```

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<html>
<head>
<title>Program to find the factorial of a number</title>
</head>
<body>
<script type="text/javascript">
var i,facto;
var num=parseInt(prompt("Enter a number"));
i=1;
facto=1;
while (i<=num)
{
facto*=i;
i+=1;
}
document.write("Factorial of "+ num +" is =" +facto);
</script>
</body>
</html>
```

```
<html>
<head>
<title> program to check whether the number is prime or not</title>
</head>
<body>
<script type="text/javascript">
var num=parseInt(prompt("Enter a number"));
var temp=num;
var i=2;
if (num==2)
{
document.write("<br/> "+ num +" is a prime number");
}
else
{
while(i<=parseInt(num/2))
{
if(num%i==0)
{
break;
}
i+=1;
}
if (i>=parseInt(num/2))
{
document.write("<br/> "+ num +" is a prime number");
}
else
{

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{  
document.write("<br/> "+ num +" is not a prime number");  
}  
}  
</script>  
</body>
```

```
<html>
<head>
<title> Program to check whether the number is armstrong number or not</title>
</head>
<body>
<script type="text/javascript">
var num=parseInt(prompt("Enter a number "));
var rem;
var temp;
var res=0;
temp=num;
while(temp>0)
{
    rem=temp%10;
    res+=rem*rem*rem;
    temp=parseInt(temp/10);
}
if(res==num)
{
    document.write("<br/>" + num + " is an armstrong number");
}
else
{
    document.write("<br/>" + num + " is not an armstrong number");
}
</script>
</body>
</html>
```

```
<html>
<head>
<title> Program to write its digits in words</title>
</head>
<body>
<script type="text/javascript">
var num=parseInt(prompt("Enter a number "));
var rem,rev,temp;
temp=num;
rev=0
while(temp>0)
{
rem=temp%10;
rev=rev*10+rem;
temp=parseInt(temp/10);
}
document.write("<br/> "+ num + " in words =");
while(rev>0)
{
rem=rev%10;
rev=parseInt(rev/10);
switch(rem)
{
case 0:document.write("zero ");
break;
case 1:document.write("one ");
break;
case 2:document.write("two ");
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break;
case 3:document.write("three ");
break;
case 4:document.write("four ");
break;
case 5:document.write("five ");
break;
case 6:document.write("six ");
beak;
case 7:document.write("seven ");
break;
case 8:document.write("eight ");
break;
case 9:document.write("nine ");
break;
default:document.write("It is not a number");
}
}
</script>
</body>
</html>
```



```
<html>
<head>
<title> Program to demonsrate Math objects</title>
</head>
<body>
<script type="text/javascript">
var val1=Math.LN2;
document.write("<br/>Property value of LN2 is="+val1);
val1=Math.LN10;
document.write("<br/>Property value of LN10 is="+val1);
val1=Math.PI;
document.write("<br/>Property value of PI is="+val1);
val1=Math.SQRT1_2;
document.write("<br/>Property value of SQRT1_2 is =" +val1);
val1=Math.SQRT2;
document.write("<br/>Property value of SQRT2 is =" +val1);
</script>
</body>
</html>
```



```
<html>
<head>
<title> Program to find factorial of number using function</title>
<script type="text/javascript">
function facto(num)
{
var i,fact;
fact=1;
for (i=2;i<=num;i++)
{
fact*=i;
}
return fact;
}
</script>
</head>
<body>
<script type="text/javascript">
var n=parseInt(prompt("Enter a nummber "));
document.write("Factorial of "+ n +" is "+facto(n));
</script>
</body>
</html>
```

```
<html>
<head>
<title> Program to generate fibonacci series</title>
</head>
<body>
<script type="text/javascript">
var i,a,b,sum,n;
n=parseInt(prompt("input length of the series"));
a=0;
b=1;
document.write("Fibonacci Series is =");
for(i=0;i<n;i++)
{
if(i<=1)
document.write(" "+i);
else
{
sum=a+b;
a=b;
b=sum;
document.write(" "+sum)
}
}
</script>
</body>
</html>
```

```
<html>
<head>
<title> Program to find the largest number in the array using function</title>
<script type="text/javascript">
function largest()
{
var i,max;
var arr=new Array(n);
document.write("input "+ n +" array elements");
for(i=0;i<n;i++)
{
arr[i]=parseInt(prompt("Enter element"));
}
document.write("<br/> Array elements are =");
for(i=0;i<n;i++)
{
document.write(" "+arr[i]);
}
max=arr[0];
for (i=0;i<arr.length;i++)
{
if(arr[i]>max)
{
max=arr[i];
}
}
return max;
}
```

```
</script>
</head>
<body>
<script type="text/javascript">
var i,n;
n=parseInt(prompt("Enter length of the array"));

document.write("<br/> The largest element is =" +largest());
</script>
</body>
</html>
```

```
<html>
<head>
<title> Program to demonstrate String properties and methods</title>
</head>
<body>
<script type="text/javascript">
var s1="abcdef";
var s2="ghij";
var s3;
document.write("<br/> Length of the string is "+s1.length);
document.write("<br/>char at 3 is "+s1.charAt(2));
s3=s1.concat(s2);
document.write("<br/> concatnated strings is "+s3);
document.write("<br/>index of de is "+s1.indexOf("de"));
document.write("<br/> last index of f is "+s1.lastIndexOf("f"));
document.write("<br/> after performing toLowerCase operation on string "+s1.toLowerCase());
document.write("<br/> after performing toUpperCase operation on string "+s1.toUpperCase());
document.write("<br/> slicing the string "+s1.slice(2,4));
document.write("<br/> trimming the string "+s1.trim());
document.write("<br/> performing substr operation in string "+s1.substr(1,2));
document.write("<br/> performing replace operation in string "+s1.replace("f","F"));
</script>
</body>
```

```
<html>
<head>
<title> Program to demonstrate events in javascript</title>
<script type = "text/javascript">
function hello()
{
document.write("Hello Students");
}
</script>
<script type="text/javascript">
var x = 0;
var y = 0;
var z = 0;

function myMoveFunction() {
    document.getElementById("demo").innerHTML = z+=1;
}

function myEnterFunction() {
    document.getElementById("demo2").innerHTML = x+=1;
}

function myOverFunction() {
    document.getElementById("demo3").innerHTML = y+=1;
}
</script>
</head>
<body>
```

```
<p>Click the following button</p>
<form>
<input type="button" onClick="hello()" value="Say hello"/>
<div onmousemove="myMoveFunction()">
  <p>onmousemove: <br> <span id="demo">Mouse over me!</span></p>
</div>

<div onmouseenter="myEnterFunction()">
  <p>onmouseenter: <br> <span id="demo2">Mouse over me!</span></p>
</div>

<div onmouseover="myOverFunction()">
  <p>onmouseover: <br> <span id="demo3">Mouse over me!</span></p>
</div>
</form>
</body>
</html>
```



```
<html>
<head>
<title>Program to demonstrate History object</title>
</head>
<body>
<b>Press the back button</b>
<input type="button" value="Back" onclick="previousPage()">
<script>
function previousPage() {
    window.history.back();
}
</script>
</body>
</html>
```

```
<html>
<head>
<title>Program to demonsatrate history object in javascript</title>
</head>
<body>
<b>Press the forward button</b>
<a href="12history.html">Visit next page</a>
<input type="button" value="Forward" onclick="NextPage()">
<script>
function NextPage() {
    window.history.forward()
}
</script>
</body>
</html>
```