

# **Course Outcome 2**

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# Programme 1

**Aim :** Create a HTML page to explain the use of various predefined functions in a string and math object in java script.

**Source code :**

**mathfunctions.html**

```
<html>
<head>
<title>Math Functions</title>
</head>
<body align=center>
<h3>This is good</h3>
<script>
var num=Math.abs(-2)
document.write("Absolute value :",+num);
var str="This is good";
document.write("<br>")
document.write("char at 0 is:"+str.charAt(0));
document.write("<br>Index of good :"+str.indexOf("good"));
var c=45.20
var x=Math.ceil(c)
document.write("<br>Ceil value of no is :"+x);
```

```
var lw="this is this";  
document.write("<br>To upper :"+str.toUpperCase(lw));  
var power=Math.pow(2,2);  
document.write("<br> Power of the given number is :"+power);  
</script>  
</body>  
</html>
```

## Output :

**This is good**

Absolute value :2  
char at 0 is:T  
Index of good :8  
Ceil value of no is :46  
To upper :THIS IS GOOD  
Power of the given number is :4

## Program 2

**Aim :** Generate the calendar using JavaScript code by getting the year from the user.

**Source code :**

**calender.html**

```
<html>
<head>
<body align=center>
<script language="javascript">
function day_title(day_name)
{
document.write("<td align=center width=30
bgcolor=grey><b>" + day_name + "</b></td>");
}
function fill_table(month,month_len)
{
day=1;
document.write("<table border=1 cellspacing=2 cellpadding=3%>");
document.write("<td colspan=7 align=center ><b>" + month + "
"+year+"</b><tr>");
day_title("SUN");
day_title("MON");
```

```
day_title("TUE");
day_title("WED");
day_title("THU");
day_title("FRI");
day_title("SAT");
document.write("</tr><tr>");
for(var i=1; i<start_day;i++)
{
document.write("<td>");
}
for(var i=start_day; i<8;i++)
{
document.write("<td align=center bgcolor=>"+day+"</td>");
day++;
}
document.write("<tr>");
while(day<=month_len)
{
for(var i=1; i<=7 && day<=month_len;i++)
{
document.write("<td align=center bgcolor=>"+day+"</td>");
day++;
}
document.write("<tr>");
start_day=i;
}
document.write("</tr></table><br>");
```

```
}  
year=prompt("Enter The Year ",2021);  
today=new Date("January 1, "+year);  
start_day=today.getDay()+1;  
fill_table("January", 31);  
if (year%4==0)  
fill_table("February", 29);  
else  
fill_table("February", 28);  
fill_table("March", 31);  
fill_table("April", 30);  
fill_table("May", 31);  
fill_table("June", 30);  
fill_table("July", 31);  
fill_table("August", 31);  
fill_table("September", 30);  
fill_table("October", 31);  
fill_table("November", 30);  
fill_table("December", 31);  
</script>  
</body>  
</head>  
</html>
```

**Output :**

This page says

Enter The Year

OK Cancel

January 2021						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

## Program 3

**Aim :** Create a HTML registration form and to validate the form using JavaScript code.

**Source code :**

***validate.html***

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="utf-8">
<title>Login</title>
<script>
function registration()
{
var name = document.forms["reg"]["name"];
var pass = document.forms["reg"]["pass"];
var submit=document.forms["reg"]["sub"]
if (name.value == "")
{
window.alert("Please enter your Username");
name.focus();
return false;
```



```
}  
if (pass.value == "")  
{  
    window.alert("Please enter your Password");  
    pass.focus();  
    return false;  
}  
if (pass.value && name.value)  
{  
    window.alert("Succesfully Logined");  
    sub.focus();  
    return false;  
}  
return true;  
}  
</script>  
<link rel="stylesheet" href="style.css">  
</head>  
<body class=bg>  
<form name="reg" onsubmit="return registration()" class="box"  
action="Validate.html" method="post" >  
<h1>Login</h1>  
<input type="text" name="name" placeholder="Username">  
<input type="password" name="pass" placeholder="Password">  
<input type="submit" name="sub" value="Login">  
</form>  
</body>  
</html>
```

## *style.css*

```
body{
margin: 0;
padding: 0;
font-family: sans-serif;
background: #34495e;
}
.box{
width: 300px;
padding: 40px;
position: absolute;
top: 50%;
left: 50%;
transform: translate(-50%,-50%);
background: #191919;
text-align: center;
}
.box h1{
color: white;
text-transform: uppercase;
font-weight: 500;
}
.box input[type = "text"],.box input[type = "password"]{
border:0;
background: none;
display: block;
```

```
margin: 20px auto;
text-align: center;
border: 2px solid #3498db;
padding: 14px 10px;
width: 200px;
outline: none;
color: white;
border-radius: 24px;
transition: 0.25s;
}

.box input[type = "text"]:focus,.box input[type = "password"]:focus{
width: 280px;
border-color: #2ecc71;
}

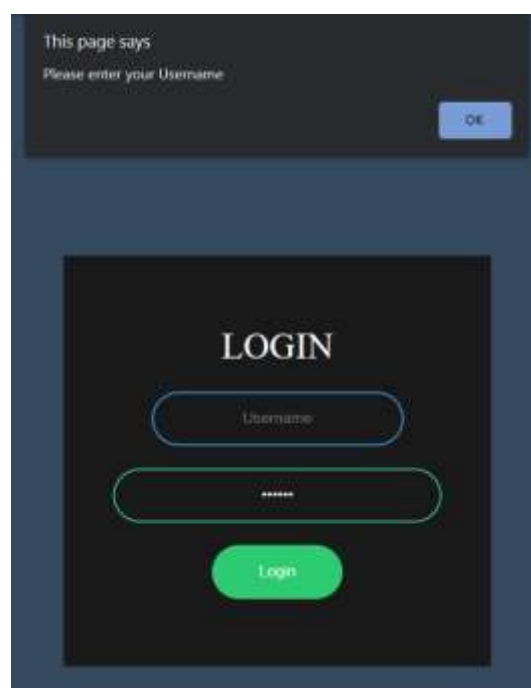
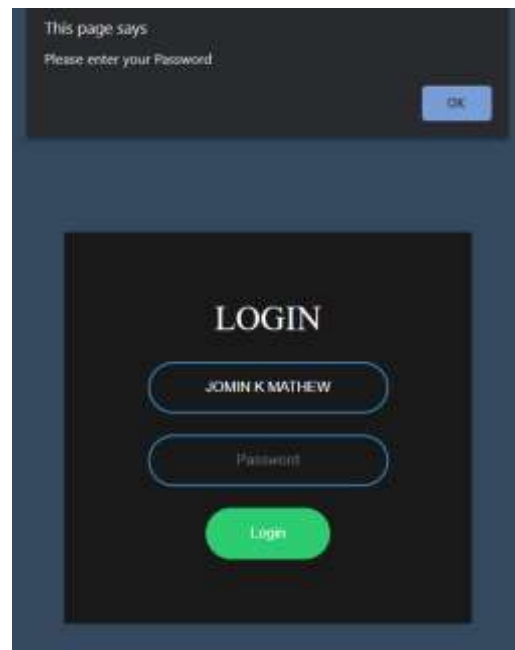
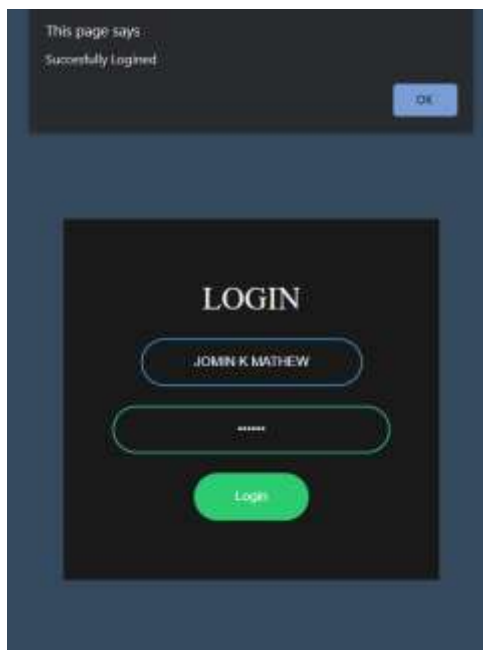
.box input[type = "submit"]{
border:0;
background: none;
display: block;
margin: 20px auto;
text-align: center;
border: 2px solid #2ecc71;
padding: 14px 40px;
outline: none;
color: white;
border-radius: 24px;
transition: 0.25s;
cursor: pointer;
```

```

}
.box input[type = "submit"]:hover{
background: #2ecc71;
}

```

## Output :



## Program 4

**Aim :** Evaluating JavaScript Event Handling for every click of a button to change the background color of a HTML page.

**Source code :**

**bg color change.html**

```
<!DOCTYPE html>
<html>
<body align="center">
<h1 align="center">Color</h1>
<button type="button" onclick="myFunction()">Click here</button>
<script>
function myFunction()
{
document.body.style.backgroundColor = "red";
}
</script>
<button type="button" onclick="myFunction1()">Click here</button>
<script>
function myFunction1()
{
document.body.style.backgroundColor = "blue";
```

```
}  
</script>  
<button type="button" onclick="myFunction2()">Click here</button>  
<script>  
function myFunction2()  
{  
document.body.style.backgroundColor = "green";  
}  
</script>  
<button type="button" onclick="myFunction3()">Reset</button>  
<script>  
function myFunction3()  
{  
document.body.style.backgroundColor = "white";  
}  
</script>  
</body>  
</html>
```

**Output :**

**Color**

<a href="#">Click here</a>	<a href="#">Click here</a>	<a href="#">Click here</a>	<a href="#">Reset</a>
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## Program 5

**Aim :** Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript Event Handling.

**Source code :**

*mouse.html*

```
<html>
<head>
<script language="javascript">
function preload()
{
topon=new Image(30,30);
topon.src="1.png";
topoff=new Image(260,280);
topoff.src="2.png";
}
function myMouseOn(n)
{
preload();
imageON=eval(n+"on.src");
document.images[n].src=imageON;
}
```



```
function myMouseOff(n)
{
imageOFF=eval(n+"off.src");
document.images[n].src=imageOFF;
}
</script>
</head>
<body align=center>
<br><br>
<h1> Demo for mouse over</h1>
<a href="#" onMouseOut="myMouseOff('top');"
onMouseOver="myMouseOn('top');">

</a>
</body>
</html>
```

**Output :**

---

**Demo for mouse over**



**Demo for mouse over**



## Program 6

**Aim :** Create a HTML page to show online exam using JavaScript.

**Source code :**

*online exam.html*

```
<html>
<head>
<title>online exam</title>
<script language="javascript">
function exam(form)
{
var i=0;
if(form.one[3].checked)
i=i+1;
if(form.three[1].checked)
i=i+1;
window.alert("Your Score is: "+i);
}
</script>
</head>
<body align=center bgcolor=white>
<form onSubmit="exam(this)">
```

<br><br>

<center><h1><blink>Online Examination</blink></h1></center>

<p> <br>

<h1>1)Who is the father of c</h1>

<input type="radio" name="one" value="">

<label>Rob Pike</label>

<input type="radio" name="one" value="">

<label>Bjarne Stroustrup</label>

<input type="radio" name="one" value="">

<label>Brian Kernighan</label>

<input type="radio" name="one" value="">

<label>Dennis Ritchie</label>

</p>

<p>

<h1>2) Who is the father of c++</h1>

<input type="radio" name="three" value="">

<label>Dennis Ritchie</label>

<input type="radio" name="three" value="">

<label>Bjarne Stroustrup</label>

<input type="radio" name="three" value="">

<label>Rob Pike</label>

<input type="radio" name="three" value="">

<label>Brian Kernighan</label> </p>

<p><center>

<br>

<input type="submit" value="Submit">

<input type="reset" value="Reset">

</center></p>

</body>

</html>

**Output :**



## 1)Who is the father of c

☐ Rob Pike ☐ Bjarne Stroustrup ☐ Brian Kernighan ☒ Dennis Ritchie

## 2) Who is the father of c++

☐ Dennis Ritchie ☒ Bjarne Stroustrup ☐ Rob Pike ☐ Brian Kernighan

Submit

Reset