**JS Constructor and Event Handler**

**1) Constructor**

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Object Constructors</h2>

<p id="demo"></p>

<script>

// *Constructor function for Person objects*

function Person(first, last, age, eye) {

this.firstName = first;

this.lastName = last;

this.age = age;

this.eyeColor = eye;

}

*// Create a Person object*

var myFather = new Person("John", "Doe", 50, "blue");

// Display age

document.getElementById("demo").innerHTML =

"My father is " + myFather.age + ".";

</script>

</body>

</html>

**2 Event Handler: Using load event**

<!DOCTYPE html>

<html>

<head>

<title>The onLoad event handler</title>

<script type="text/javascript">

function load\_greeting(){

alert("You are visiting home page of" +"Cosmos College");

}

</script>

</head>

<body onload = "load\_greeting()">

</body>

</html>

**3 a)Radio Buttons**

<!DOCTYPE html>

<html>

<body>

<h1>The onclick Event</h1>

<p>Example of onclick Event</p>

<button onclick="myFunction()">Click me</button>

<p id="demo"></p>

<script>

function myFunction() {

document.getElementById("demo").innerHTML = "Hello World";

}

</script>

</body>

</html>

**3 b) Event Handler using Radio Buttons**

<!DOCTYPE html>

<html>

<head>

<title>Illustrates messages for the radio buttons </title>

<script type="text/javascript">

//*Event handler collection for radio button*

function collegeChoice(){

var college;

//*put DOM address of element array in a local variable*

var radioElement = document.getElementById("myForm").elements;

//*Determine which button was pressed*

for(var index = 0; index < radioElement.length; index++){

if(radioElement[index].checked){

college = radioElement[index].value;

break;

}

}

//*produce an alert message about the chosen college*

switch(college){

case "1":

alert("Nepal College Of Information Technology");

break;

case "2":

alert("Nepal Engineering College");

break;

case "3":

alert("Cosmos College Of Management and Technology");

break;

case "4":

alert("Everest Engineering College");

break;

default:

alert("Error in choice!!!");

break;

}

}

</script>

</head>

<body>

<h4>Pokhara University's Engg. College Description</h4>

<form id = "myForm" action = "">

<p>

<input type="radio" name="CollegeButton" value="1"

onclick = "collegeChoice()"/>

College 1

<br/>

<input type="radio" name="CollegeButton" value="2"

onclick="collegeChoice()"/>

College 2

<br/>

<input type="radio" name="CollegeButton" value="3"

onclick="collegeChoice()"/>

College 3

<br/>

<input type="radio" name="CollegeButton" value = "4"

onclick = "collegeChoice()"/>

College 4

</p>

</form>

</body>

</html>

**3 Event Handler: Checking Form Input**

<!DOCTYPE html>

<html>

<head>

<title>Illustrates password checking</title>

<script type="text/javascript">

*//The event handler function for password checking*

function chkPasswords(){

var init = document.getElementById("initial");

var sec = document.getElementById("second");

if(init.value == ""){

alert("You did not enter a pasword.Please enter");

init.focus();

return false;

}

if(init.value != sec.value){

alert("The password you entered are not same");

init.focus();

init.select();

return false;

}else

return true;

}

</script>

</head>

<body>

<h3>Pasword Input</h3>

<form action = "">

<p>

Your password

<input type = "password" id = "initial" size = "10"/>

<br/><br/>

Verify Password

<input type="password" id = "second" size = "10"/>

<br/><br/>

<input type="reset" name = "reset"/>

<input type="submit" name = "submit"/>

</p>

</form>

<script type="text/javascript">

*//Set submit button onsubmit property to the event handler*

document.forms[0].onsubmit = chkPasswords;

</script>

</body>

</html>

**4 Checking form name spacing**

<!DOCTYPE html>

<html>

<head>

<title>Checking Form Name spacing </title>

<script>

function validateForm() {

var x = document.forms["myForm"]["fname"].value;

if (x == "") {

alert("Name must be filled out");

return false;

}

}

</script>

</head>

<body>

<form name="myForm" action="" onsubmit="return validateForm()" method="post">

Name: <input type="text" name="fname">

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

</form>

</body>

</html>