

# Module 5: Handling events with JavaScript

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## Assignment Solution

→ Arrays:

» Write JavaScript to display the names of computer languages and display all of them in an alert box on a click of button.

**Hint:** Use arrays to store the list of computer programming languages

**Solution:**

```
<!DOCTYPE html>
<html>
<body>
<p>Click on the button to display the list of programming languages...</p>
<button onclick="ArrayDisplay()">Click on me</button>
<p id="ArrDispl"></p>
<script>
function ArrayDisplay() {
var index;
var text1 = "<ul>";
var text = "";
var Prog_lan = ["Java", "C", "C++", "Perl"];
for (index = 0; index < Prog_lan.length; index++) {
text1 += "<li>" + Prog_lan[index] + "</li>";
text += Prog_lan[index] + " ";
}
document.getElementById("ArrDispl").innerHTML = text;
alert (text);
}
</script>
</body>
</html>
```

## → Objects:

- » Write JavaScript to store the employee object information (Employee name, employee no, age and department) and display as Employee <name> is working in <department> department. Here <name> is name of the employee and <department> is the stored employee's department

## Solution:

```
<!DOCTYPE html>
<html>
<body>
<p id="bank_account"></p>
<script>
var emp = {
Name : "Naveesh",
emp_no : 23,
age : 32,
Dept : "Technology"
};
document.getElementById("bank_account").innerHTML =
emp.Name + " is working in " + emp.Dept + " Department";
</script>
</body>
</html>
```

## → Functions

- » Write a JavaScript function to find largest of 3 numbers and display it

## Solution:

```
<!DOCTYPE html>
<html>
<body>
<p>Finds the largest of 3 numbers, for 1000, 300, 522.. </p>
<p id="lar"></p>
<script>
function large(one, two, three ) {
if (one > two && one > three)
return one;
else if (two > three)
return two;
else
return three;
}
document.getElementById("lar").innerHTML = "Largest is " + large(1000, 300, 522);
```

```
</script>
</body>
</html>
```

→ Event handlers

- » Write JavaScript to display an alert message "You have moved the mouse on the button" when the mouse is moved on a button

**Solution:**

```
<!DOCTYPE html>
<html>
<body>
<p>Move the mouse pointer on button.</p>
<button onmousemove="displayInfo()">Mouse the mouse on me</button>
<script>
function displayInfo() {
alert ("You have moved the mouse on the button");
}
</script>
<p id="display"></p>
</body>
</html>
```

→ if conditions

- » Write JavaScript to accept a name in prompt and validate whether name is entered or not. If the name is not entered then display a message "Sorry, you have not entered any name". If the name is entered by the user then display "Hello <entered name>, welcome". Here <entered name> is the name entered by the user

**Solution:**

```
<!DOCTYPE html>
<html>
<body>
<p>Checks whether user entered the information or not.. Please click on Click Here button</p>
<button onclick="NameCheck()">Click here</button>
<p id="nameInfo"></p>
<script>
function NameCheck() {
```

```
var name = prompt ("Enter your name :");
if (name == "") {
    status = "Sorry...you have not entered any name";
} else {
    status = "Hello "+name + ", welcome";
}
document.getElementById("nameInfo").innerHTML = status;
}
</script>
</body>
</html>
```