

---

## SECTION 4 VBSCRIPT

---

### Structure

- 4.0 VBScript Basics
- 4.1 Incorporating VBScript into HTML Page
- 4.2 Exercises for Practice in Lab Sessions

---

### 4.0 VBSCRIPT BASICS

---

VBScript is a powerful and easy to learn tool that can be used to add interaction to your Web pages.

The Web browser receives scripts along with the rest of the Web document. The browser parses and processes the scripts. HTML was extended to include a tag that is used to incorporate scripts into HTML-the `<SCRIPT>` tag.

---

### 4.1 INCORPORATING VBSCRIPT INTO HTML PAGE

---

To add scripts into your Web pages `<SCRIPT>` tag is used. The `<SCRIPT>` tag signifies the start of the script section, while `</SCRIPT>` marks the end. An example of this is shown below:

```
<HTML>
<HEAD>
<TITLE>Working With VBScript</TITLE>
<SCRIPT LANGUAGE="VBScript">
<!--
    MsgBox "Welcome to my Web page!"
-->
</SCRIPT>
```

The LANGUAGE attribute of SCRIPT tag specifies the language used for scripting. Scripts are usually placed at the top of the Web document, in the HEAD. There are four different places where you can use scripts:

- In the body of the page. In this case, the output of the script is displayed, as part of the HTML document, when the browser loads the page.
- In the header of the page, between the `<HEAD>` tags. Scripts in the header aren't executed immediately, but can be referred to by other scripts. The header is often used for functions-groups of VBScript statements that can be used as a group.
- Within an HTML tag. This is called an event handler and allows the script to work with HTML elements. Event handlers are the one type of script where you don't need to use the `<SCRIPT>` tag.
- In a separate file entirely.

Not all browsers support scripting languages. To handle such browsers you can enclose your script in comment tags (`<!--` and `-->`).

---

### 4.2 EXERCISES FOR PRACTICE IN LAB SESSION

---

#### SESSION 1

##### Exercises

1. Write a programme to display the following on a Web page:

Hello <User\_Name>

**VBScript**

2. Create a Web page that displays a message box with the message:  
“Welcome to my Website”
3. Write code to change colour of text randomly.

## **SESSION 2**

### **Exercises**

1. Write a VBScript code that accepts the length, breadth and height and displays the area of a rectangle.
2. Create a programme to generate a hit counter.

## **SESSION 3**

### **Exercises**

1. Write a programme, which prompts, the user to enter the sum of two numbers and display whether the answer is correct or incorrect.
2. Using VBScript, create a calculator.

## **SESSION 4**

### **Exercises**

1. Create a programme to check for null or empty string.
2. Create a form that has an e-mail field. Now write VBScript code for validation of the email address.

## **SESSION 5**

### **Exercises**

1. List the Mouse and Keyboard events in VBScript.
2. How do you generate a random number in VBScript?

## **SESSION 6**

### **Exercises**

1. Create a form in HTML containing the following fields and then perform the validation of each field using VBScript.

|               |   |   |
|---------------|---|---|
| Name          | - | textbox   |
| Address       | - | textbox   |
| Date of Birth | - | a combo box (one for each, day, month and year) |
| Email         | - | textbox   |
2. How do you declare variables in VBScript and enlist the various variables-naming rules.

## **SESSION 7**

### **Exercises**

1. What is the purpose of Option Explicit in VBScript code?
2. Using an HTML form accept the Principal, Rate of Interest and Time from the user, validate the three fields and then display the Simple Interest to the user.

## **SESSION 8**

### **Exercises**

1. Create a programme that accepts the time from the system clock and accordingly displays a Good Morning, Good Afternoon or Good Evening message to the user. Use If – Then – Else statement.
2. Create the above programme using Select Case.

## **SESSION 9**

### **Exercises**

1. Write a programme in VBScript that uses For..Next looping statement to create a Fibonacci series.
2. Using Do..While loop display the factorial of a number.

## **SESSION 10**

### **Exercises**

1. Write a programme that displays the multiplication of two matrices.
2. Write a programme that displays the transposition of a matrix.
3. Write a programme that accepts a number from the user and displays its factorial only if it is a prime number.