

Tutorial 4a

Introduction to JavaScript

Objective

By finishing this tutorial, you should be able to understand on:

- How to insert JavaScript in HTML document
- How to use JavaScript as a *handler* for *hyperlink* and *form*

Preparing the Materials for Tutorial

1. Make a *new folder*
2. Download “Tutorial 4a – Material” from website and place it in the folder you have created in (1)
3. Extract the downloaded file (using WinZip) inside the same folder

Writing JavaScript Programs

By using Textpad, complete the template file by typing the codes as below. When you have complete, preview it in your browser and try to understand what have been done by the program.

1. T4a-1.html: Embedding JavaScript into HTML

```
<html>
  <head>
    <title>Embedding JavaScript into HTML document</title>
    <script language = "JavaScript">
      window.alert("Hello \n this message was printed in \n using JavaScript in <head> part");
    </script>
  </head>

  <body>
    <script language = "JavaScript">
      window.alert("Hello \n this message was printed in \n using JavaScript in <body> part");
    </script>
  </body>
</html>
```

2. T4a-2.html: Switching between HTML and JavaScript

```
<html>
<head>
  <title>Switching between HTML and Javascript</title>
</head>
<body>
  <h1> My profiles: </h1>
  <script language="javascript">
    var name = window.prompt('Name: ', '');
    var age = window.prompt('Age', '');
  </script>

  My name is
  <b><font color="red"><script language="javascript"> document.writeln(name)</script></font></b>

  <br>

  I am
  <b><font color="red"><script language="javascript"> document.writeln(age) </script></font></b>
  years old.
</body>
```

3. T4a-3.html: Assigning Hyperlink and Form with JavaScript

```
<html>
  <head>
    <title>Assigning Hyperlink and Form with Javascript</title>
  </head>

  <body>
    <script language="javascript">
      document.writeln("Message from Javascript <br><br>");
    </script>
    <a href="javascript: window.alert('Hello!\n How are you?');"> Executing Javascript from
hyperlink</a>
    <form name="form1">
      <input type="button" name="btn1" value="Executing Javascript from button"
        onClick="javascript: var name = window.prompt('What is your name?', '');
        window.alert('Hello ' + name); ">
    </form>
  </body>
</html>
```