



```
1 /*  
2 A simple script that takes two input values, sums them and returns the result.  
3 */  
4 Keywords for defining input and output keys:  
5 __number, __string, __image, __structure, __boolean  
6 */  
7  
8 function (__number outputNumber) main (__number inputNumber[2]) {  
9     var result = new Object();  
10    result.outputNumber = inputNumber[0] + inputNumber[1];  
11    return result;  
12 }  
13  
14  
15  
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```

JavaScript Programming

Course Objective :

This course teaches the JavaScript and programming techniques needed to develop cutting-edge, interactive Websites. From opening windows to image-flipping and form validation, our JavaScript classes give you the skills imperative to building exciting, dynamic Web pages.

Prerequisite:

Prior knowledge in HTML Coding.

Certificate Of Attendance :

Certificate Of Attendance will be awarded to students completing the course achieving minimum 75% attendance.

Training Methodology & Materials:

- Practical case study sessions to enhance concept.
- Well-designed lab sessions to enhance further understanding of the courseware.

Training Duration:

Full-Time : 2 days Time : 9am to 5pm
Part-Time : 4 sessions Time : 6.30pm to 10.00pm (twice a week)

Course Fee :

Course Fee : S\$399
Regn Fee : S\$25

Detailed Course Outline

1. Introduction to JavaScript

- 1.1. What is JavaScript?
- 1.2. What JavaScript can do?

2. Basic JavaScript Concepts

- 2.1. Basic concepts of JavaScript
- 2.2. Keeping script tag in Head section
- 2.3. Keeping script tag in Body section
- 2.4. Keeping script tag in External File
- 2.5. Writing first JavaScript program

3. How to work with Loops and Functions?

- 3.1. What is Looping?
- 3.2. Different types of loop
- 3.3. Decision making statements
- 3.4. Functions in JavaScript
- 3.5. How to declare functions?
- 3.6. Passing parameters
- 3.7. Calling functions

4. How to work with Forms and Events?

- 4.1. What are events?
- 4.2. Various Dialog boxes

5. How to work with Objects?

- 5.1. What is DOM?
- 5.2. Creating Objects
- 5.3. Defining Document Object
- 5.4. Defining String Object
- 5.5. Defining Math Object
- 5.6. Defining Date Object

6. How to work with Browsers and Cookies Functions in JavaScript

- 6.1. Browser Detection
- 6.2. Navigator Object and its properties
- 6.3. What are Cookies?

7. More about Objects

- 7.1. Window Object
- 7.2. Pop-up Windows
- 7.3. JavaScript Menu

8. How to validate Forms with JavaScript

- 8.1. Form Object
- 8.2. Empty Fields Validation
- 8.3. Email Validation
- 8.4. Credit Card Validation

9. How to work with Browsers and Cookies Functions in JavaScript

- 9.1. Browser Detection
- 9.2. Navigator Object and its properties
- 9.3. What are Cookies?

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