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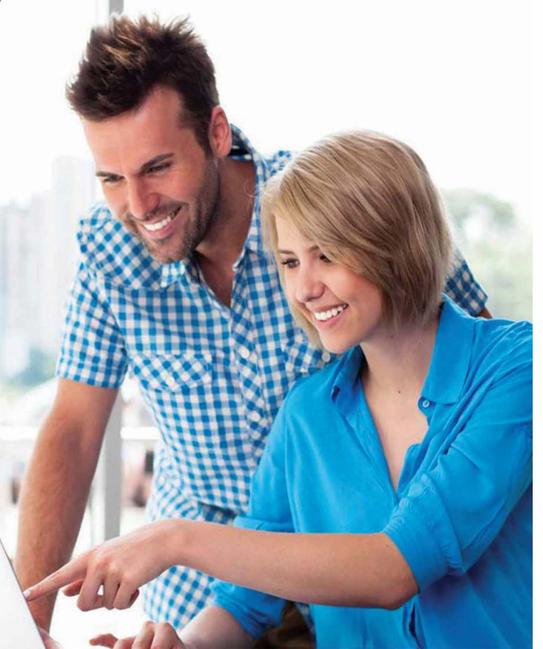
TIB ACADEMY'S
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JavaScript

Quick Contact

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JavaScript Training Syllabus

Introduction

- What is JavaScript?

- What is AJAX?

Developer Essentials

- The development workflow

- Selecting the right tools for the job

- Just enough HTML and CSS

- Understanding objects

- Understanding variables

- Making comparisons

- Understanding events

Starting to Code

- Writing your first script

- Internal vs. external scripts

- Using comments in scripts

- Using the noscript tag in HTML

Interacting with Users

- Creating alert dialogs

- Understanding conditional statements

- Getting confirmations from users

- Understanding functions

- Making links smarter

- Using switch/case statements

- Handling errors

JavaScript Language Essentials

- Getting started

- Creating loops

- Passing values to functions

- Detecting objects

- Reading arrays

- Returning values from functions

- Writing arrays

- Building do and while loops

- Re-using functions

Creating Rollovers and More

- Creating a basic image rollover

- How to write a better rollover

- Creating a three-state rollover

- Making rollovers accessible and 508 compliant

- Making disjointed rollovers

- Creating slideshows & Displaying random images

Building Smarter Forms

- Getting started
- Creating jump menus Creating dynamic menus
- Requiring fields
- Cross-checking fields
- Displaying more informative errors
- Verifying radio button selections
- Setting one field with another field
- Verifying email addresses

Handling Events

- Responding to window events
- Responding to mouse movements
- Responding to mouse clicks
- Responding to onBlur form events
- Responding to onFocus form events
- Responding to keyboard events

Working with Cookies

- Demystifying cookies
- Writing a cookie
- Reading a cookie
- Displaying a cookie

- Counting with cookies

- Deleting cookies

- Handling multiple cookies

- Cookies in action

The DOM, Nodes, and Objects

- Understanding the DOM

- Adding nodes to the DOM

- Deleting nodes from the DOM

- Deleting specific nodes

- Inserting nodes into the DOM

- Replacing nodes in the DOM

Working with Dates and Times

- Displaying dates

- Displaying times

- Creating a countdown

Real World Applications of JavaScript

- Creating sliding menus

- Creating pop-up menus

- Creating slideshows with captions

- Creating a stylesheet switcher

Assessments

- **Objective Assessments**

  -- Syntactical based

  -- Scenario based

  Note: At least 2 objective based assessments in each module

- **Hands On – Practical Assessments**

  -- Scenario based

  Note: At least 2 Hands on assessments in each module

Assignments

- **Hands On – Practical Assignments**

  Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- **Regular tasks on each module**

  Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- **Work on one or two mini projects**
- **Discuss and convert the current working project into Java Sceript project to add in resume & to explain Java script experience in interviews**