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Content of Certified Java Professional from EH1-Infotech

Module 1: HTML

- Introduction to HTML
- HTML Basic Tag
- HTML Image, Hyperlink
- HTML List
- HTML Table
- HTML Div
- HTML Frame
- HTML Forms
- HTML Font
- Marquee Tag

Module 2: Adobe Dreamweaver CS5

- Introduction to Adobe Dreamweaver CS5
- Dreamweaver Interface Basics
- Type of Views
- Defining a Dreamweaver Site
- Benefits of Using Dreamweaver Site
- Creating a site for Static Project
- Creating a site for PHP Project
- Standard Tool Bar
- Multiple Browser Previews
- Anchor Links / Email Links / Named Anchors
- Insert Table
- Insert Div
- Inserting Images / Image Hot Spots
- Inserting Tables
- Text Tags
- Forms in Dreamweaver
- Input Tags
- Select Tag / List Tag / Opt Group
- Buttons (Submit and Reset)
- File Type / Encoding Type

Module 3: DHTML (CSS)

- Introduction to CSS
- CSS Background
- CSS Margin
- CSS Padding
- CSS Border
- CSS Float
- CSS Links
- CSS Text
- CSS Outline

Module 4: HTML5

- Introduction to HTML5
- What's new in HTML5
- HTML5 APIs
- HTML5 Features
- HTML5 Doc Type
- New Structure Tags
- Section
- Nav
- Article
- Aside
- Header
- Hgroup
- Footer
- New Media Tags
- Audio and Video tags
- New Form Tags

Module 5: Cascading Style Sheets (CSS 3)

- Introduction to CSS 3
- Basic CSS3 Selectors
- Advanced CSS3 Selectors
- New CSS3 Properties
- CSS Rounded Corners
- Box Shadow
- Text Shadow Property
- Text Stroke Property
- Multiple Backgrounds

- CSS Clip
- CSS Gradients
- Column Rules
- Opacity
- Transitions
- Transform

Module 6: JavaScript

- Introduction to Java Script
- JavaScript Variable
- Statement
- Operator
- Function
- Alerts
- Array
- Form Validation
- JavaScript Event
- JavaScript Date function
- GetElementById

Module 7: Basics of C/C++

- Introduction to C
- Programming Fundamentals
- Operators and Expressions
- Data Input and Output, Loops and Decisions
- Functions, Arrays
- Operators and Function Overloading

Module 8: Personality Development and Interview Preparations

Module 9: On Page SEO

Test 1: Includes Module 1 to 7 and Project Name is to be allocated (Designing Phase starts)

Module 10: Core Java

- Introduction to Java
- Data Types variables and arrays
- Control Flow Statements

- Methods
- Operators, Classes and Methods
- Interfaces and Abstract classes
- OOPs Concepts
- Overloading and Overriding
- Packages and Privileges
- Applets
- Threads
- Collection APIs
- Exception Handling
- Multi-Threaded

Module 11: Swings

- Working with JFrame, JApplet, JPanel, JTextField, JPasswordField, JButton, JCheckbox, JRadioButton, JList, JScrollPane, JComboBox, JMenu, JMenuBar, JMenuItem, JPopupMenu, JTree, JTable

Module 12: Events Handling

- Event Sources
- Event Listeners
- Event Classes
- Event Delegation Model
- Event Class Hierarchy
- Adapter Classes

Module 13: Graphical User Interface

- Layout managers (Flow Layout, Border Layout, Card Layout, Grid bag Layout)
- AWT controls (Labels, Buttons, Canvases, Checkboxes, Checkbox Group, Choices, Text Fields, Text Areas, Lists, Scrollbars, Panels, Windows, Frames, Menus, Menu Bars)

Test2: Module 10 to 13 and Project Main Implementation Starts (Development Phase Starts)

Module 14: Servlets

- Introduction of Servlet
- Lifecycle of Servlet
- Why we need a Servlet?

- Flow of Servlet (How Servlet work to Complete Process request from Client or User)
- What is Request & Response in Servlet
- Config and Context in Servlet
- Difference between RequestDispatcher and sendRedirect in Servlet
- Session in Servlet
- Cookies in Servlet
- Filter in Servlet
- Sending E-Mail
- CRUD(Create, Retrieve, Update, Delete) Operation
With MySQL DataBase

Module 15: JSP (Java Server Pages)

- Introduction of JSP
- Lifecycle of JSP
- Why we need a JSP
- Scripting Elements
 - ✓ Scriptlet Tag
 - ✓ Expression Tag
 - ✓ Declaration Tag
- Implicit Object in JSP
 - ✓ Request
 - ✓ Response
 - ✓ Out
 - ✓ Config
 - ✓ Session
 - ✓ PageContext
 - ✓ Page
 - ✓ Exception
 - ✓ Application
- Directive Element in JSP
 - ✓ page directive
 - ✓ include directive
 - ✓ taglib directive
- CRUD(Create, Retrieve, Update, Delete) Operation
With MySQL DataBase

Module 16: Java + MYSQL

- Introduction to Database
- Use MYSQL
- Database Connectivity
- Create Database and Table
- MYSQL Commands
- Select
- Update
- Delete
- Insert
- Database Connectivity with Servlets
- Inserting data from the HTML page to the database
- Fetching data from the database to HTML page

Module 18: Android Basics

Test 3: Module 14 to 18 and Project Testing and Finalization

Module 19: Ethical Hacking (Web Security Module) + Off Page SEO

Module 20: Project Work + Job Interviews Starts (Minimum 15 Companies)

Handwritten Feedback's of students at <http://feedback.eh1infotech.com>

Job Alerts also provided at <http://www.facebook.com/eh1infotech>

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