

# ADVANCED JAVA

<u>Day</u>	<u>Topics</u>	<u>Options Covered</u>	<u>Hours</u>
Day 1	NETWORKS TYPES OF NETWORKS	<ul style="list-style-type: none"> <li>• Network Definition</li> <li>• LAN</li> <li>• MAN</li> <li>• WAN</li> <li>• GAN</li> </ul>	1
Day 2	INTERNET TECHNOLOGIES	<ul style="list-style-type: none"> <li>• About Internet</li> <li>• Client Server Communication</li> </ul>	1
Day 3	INTRODUCTION TO WEBTECHNOLOGIES	<ul style="list-style-type: none"> <li>• What is Website?</li> <li>• Features of Websites</li> <li>• Usage of Websites</li> <li>• Types of websites and web servers</li> <li>• Difference between static and dynamic websites</li> </ul>	1
Day 4	HTML INDRODUCTION	<ul style="list-style-type: none"> <li>• What is HTML?</li> <li>• What is TAG?</li> <li>• Types of Tags</li> <li>• What is Attribute?</li> <li>• Structure of HTML</li> <li>• Rules of HTML</li> <li>• Creating a sample webpage</li> </ul>	1
Day 5 Day 6 Day 7 Day 8 Day 9 Day 10	TAGS IN HTML	<ul style="list-style-type: none"> <li>• Text Tags in HTML(&lt;b&gt;,&lt;i&gt;,&lt;u&gt;....etc)</li> <li>• &lt;font&gt; tag</li> <li>• Heading Tags</li> <li>• Paragraph tag</li> <li>• &lt;pre&gt;tag</li> <li>• &lt;hr&gt;tag</li> <li>• Division tag&lt;div&gt;</li> <li>• &lt;marquee&gt; tag</li> <li>• Image Tag</li> <li>• &lt;abbr&gt;tag</li> <li>• &lt;bdo&gt; tag</li> <li>• Hyper Link and Email link Tag</li> <li>• List Tag               <ol style="list-style-type: none"> <li>i)Un Ordered List(&lt;ul&gt;)</li> <li>ii)Ordered List(&lt;ol&gt;)</li> <li>iii)Difinition List(&lt;dl&gt;,&lt;dt&gt;,&lt;dd&gt;)</li> </ol> </li> <li>• Table Tag               <ol style="list-style-type: none"> <li>i)Table Row(&lt;tr&gt;)</li> <li>ii)Table Head (&lt;th&gt;)</li> <li>iii)Table Data (&lt;td&gt;)</li> </ol> </li> <li>• Creating a Form (&lt;form&gt; tag and &lt;input&gt;tag)               <ol style="list-style-type: none"> <li>i)inserting a Text field</li> <li>ii)inserting a Password Field</li> </ol> </li> </ul>	6

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		iii)inserting a Radio Button iv)inserting a Check Box v)inserting a Drop down list vi)inserting aTextArea vii)inserting a Push,submit,reset buttons • Creating a Frame with <frameset>,<frame>,<iframe>	
Day 11	CSS INTRODUCTION	• What is CSS? • Usage of CSS • CSS Syntax • What is Property?	1
Day 12	TYPES OF CSS	• Inline Style sheet • Internal Style sheet • External Stylesheet • Examples in each type • ID Selector Example • Class Selector Example	1
Day 13 Day 14 Day 15 Day 16 Day 17 Day 18	PROPERTIES OF CSS	• Text Properties • Font properties • Psedo classes and elements • List properties • Background properties • Border properties • Padding properties • Margin properties • Link Properties	6
Day 19	JAVASCRIPT INTRODUCTION	• What is Script? • Types of Scripts • About Scripting Languages • About javascript	1
Day 20 Day 21	JAVASCRIPT BASICS	• About <script> tag • Comments • Sample script code with document.write() • How to define variable • Types of operators • Keywords	2
Day 22 Day 23 Day 24	CONDITIONAL STATEMENTS AND LOOPS	• Conditional statements i)simple if statement ii)if-else statement iii)Nested if iv)Else if Ladder v)Switch case Loop Statements i)While ii)Do-While iii)For Break And Continue	3

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Day 25	ARRAYS	<ul style="list-style-type: none"> <li>• Array definition</li> <li>• Types of Arrays</li> <li>• Sample programs on arrays</li> </ul>	1
Day 26	FUNCTIONS	<ul style="list-style-type: none"> <li>• Function Definition</li> <li>• Syntax</li> <li>• Passing a arguments to functions</li> <li>• Return a value to functions</li> <li>• Advantage of function</li> </ul>	1
Day 27	EVENTS	<ul style="list-style-type: none"> <li>• What is Event?</li> <li>• Example on Events (onload,onunload,onchange,onfocus,onclick etc..) More Example Programs on like changing background colors,image rollover etc..</li> </ul>	1
Day 28 Day 29	OBJECTS and DOM	<ul style="list-style-type: none"> <li>• String object</li> <li>• Math Object</li> <li>• Date Object</li> <li>• Window Object</li> <li>• Examples on Window object Methods Like alert(),confirm(),prompt(),open()</li> <li>• Form Objects</li> </ul>	2
Day 30	CLIENT SIDE VALIDATION	<ul style="list-style-type: none"> <li>• What is Validation?</li> <li>• Types of validations(client side &amp; server side)</li> <li>• Validation example on checking user name length</li> </ul>	1
Day 31	DreamWeaver	<ul style="list-style-type: none"> <li>• Design a Simple Website in Dreamweaver</li> <li>• New Features in HTML</li> </ul>	1
Day 32	SQL	Create User Name and Password Create, Insert, Select, Update, Delete Alter Table ,Drop Table	1
Day 33 Day 34	JDBC	Introduction Types of JDBC Drivers JDBC Connection DOS,GUI	2
Day 35 Day 36 Day 37 Day 38 Day 39 Day 40 Day 41 Day 42	Servlets	Introduction, structure of web applicaton Features,How to Run Servlet Servlet Life Cycle JDBC through Servlet Servlet Config & Servlet Context Redirection RequestDispatcher Cookies and Sessions	8
Day 43 Day 44 Day 45 Day 46 Day 47	JSP	Introduction Diff B/W Servlet and JSP JDBC trough JSP Tag Syntax's JSTL	8

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Day 48 Day 49 Day 50		Core Tag Library SQL Tag Library	
Day 51 Day 52	Java Beans	Introduction Bean Creation JSP Action Tags	2
Day 53 Day 54	XML	Introduction, Simple XML document Rules XML DTD, XML Schema	2
Day 55 Day 56	LOG4j	Introduction Program to introduce Log4j	2
Day 57 Day 58	ANT	Introduction Program to introduce ANT	2
Day 59 Day 60	JAVA RMI	Introduction Local Object Remote object Steps to Implement RMI	2