



# HP Education Services

ASP .Net with C#		
S.NO	TOPIC	SUB TOPICS
1	.NET Framework Fundamentals	History Of .NET Framework CLI Concept Components Of .NET Framework Advantages Of .NET Framework Limitation Of .NET Framework
2	C# Language Fundamentals	C# Development C# Features Data Types Operators Keywords Programming Constructs Arrays Methods
3	OOP's Concepts	Classes And Objects Encapsulation Inheritance Polymorphism
4	String And Date Time Manipulation	Mutable Strings Immutable Strings DateTime Class
5	Class Members	Fields Methods Constructors Properties & Indexers Static
6	Namespace	Introduction To Namespaces Namespace Implementation Using Keyword Namespace Alias Global Name Alias



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S.NO	TOPIC	SUB TOPICS
7	Exception Handling	What Are Exceptions Handling Exception Try,Catch, Finally Blocks Custom Exceptions
8	Collection Framework	What Are Collections Collections Implementation System Collections Namespace
9	Assemblies	What are assemblies Types of assemblies Private Assemblies Shared Assemblies Custom Libraries GAC(Global Assembly Cache) Versioning
10	Introduction To Web Applications	Distributed Application Fundamental Client/Server Architecture Application What Are Client And Server Role Of Web Server IIS(Internet Information Service)
11	ASP .NET Technology	Classic ASP Drawback Of Classic ASP Evolution Of ASP .NET Features Of ASP .NET Creating Web Sites Using Visual Studio
12	HTML Basics	Formatting Tags Using Images And Hyperlinks Tables And Forms Input Controls Style Sheet And CSS



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S.NO	TOPIC	SUB TOPICS
13	Java Script Basics	Using Javascript With HTML Document UnTyped Language Programming Constructs Arrays And Functions Using Javascript With Input Controls DOM Manipulation With Java Script
14	Web Interface Development	Designing Interface With Visual Studio HTML Controls Web Server Controls Standard Controls
15	Web Forms In ASP .NET	Web Forms Fundamentals Page Life Cycle Post Back & Auto Post Back
16	Accessing Data With ADO .NET	Introduction To ADO .NET Technology Communication Through Data Source Connected Architecture Disconeted Architecture DataBinding With Controls
17	Data Controls In ASP .NET	Grid View Server Control Data List Server Control Repeater Server Control Form View Server Control
18	Validating Client Input	What Is Validation Validation Controls Client Site Validation Server Site Validation
19	Site Navigation Tools	Menu Control SiteMapPath Control TreeView Control



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S.NO	TOPIC	SUB TOPICS
20	Security In ASP .NET	Role Of Security Types Of Security Authentication And Authorization Login Controls
21	Administering ASP .NET Site	ASP .NET Configuration Overview ASP .NET Configuration File Web.config & Machine.config ASP .NET & IIS Configuration
22	State Management In ASP .NET	What Is StateManagement HTTP Protocol Client Site StateManagement Server Site StateManagement
23	Caching And Tracing In ASP .NET	What Is Caching Types Of Caching Enable & Disable Caching For Application Tracing Fundamentals
24	Custom Controls In ASP .NET	Web Server Controls Design Custom Controls Implementing Logic With Custom Controls Using Custom Controls In Web Applications
25	XML Integration In ASP .NET	What is XML? Where and why XML is used XMLTextReader, XMLDocument XMLDataSource control Defining structure using DTD and Schema
26	AJAX	What is AJAX and need for AJAX Implementing AJAX with JavaScript UpdatePanel, UpdateProgress & Timer ASP.NET Ajax Control toolkit



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S.NO	TOPIC	SUB TOPICS
27	Web Services	Web Service Fundamentals Understanding SOAP, WSDL, Proxy etc. Creating Web services How to consume web services Some Use Full Web Services
28	LINQ	LINQ Fundamentals Query operators and methods Accessing Object using LINQ Understanding LINQ to ADO.NET ORM Concepts & Linq To SQL Using LinqDataSource control.
29	Deploying & Hosting Web Applications	Deployment Basics Configuring Application For Deployment Creating SetUp For Deployment Hosting Application On Web Server