

Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Asp.net

Given below is the brief description for the course you are looking for:

BASICS OF C LANGUAGE

Introduction of C Language
How its related to asp.net
Some Example of C programes
If-Else and Nested if
cases
arrays
Loops(for, while and do while)

BRIEF INTRODUCTION OF ASP.NET

Introduction of Project with n tier architecture
What is asp.net
Version of asp.net
Jit compiler
Component of asp.net
CLR
FCL
Assemblies and its Type
Reflection
.net framework
Garbage Collection
Comparison between different version of .net (1.0,2.0,3.0,3.5,4.0)
Webconfig file
Wcf,Wpf,Linq
Introduction of C#
Introduction of Sql Server
Introduction of Ado.Net

OBJECT ORIENTATION WITH C#

Classes and Object

Classes and object
Hello world with class and object
Access modifier

Constructor and its type

Properties

Event

Static variable and constructor

Private constructor

Practical Assignment-1

Notes-1

Inheritance

Classes with inheritance

Access modifier with inheritance

Upcasting

Overriding

Overloading

Abstract Classes

Sealed Classes

Practical Assignment-2

Notes-2

Interface

Interface implementation

Difference between abstract class and interface

Practical Assignment-3

Notes-3

Type Casting

Type casting and its type

Value type and reference type

Heap and stack

Boxing and unboxing

Practical Assignment-4

Notes-4

Polymorphism

Function overloading

Operator overloading

Virtual keyword

Practical Assignment-5

Notes-5

Exception Handling

Type of exception (Checked and unchecked)

Try

Catch

Finally

Throws

Practical Assignment-6

Notes-6

Arrays and looping

1-d array

2-d array

Jagged array

For loop

For each loop

Practical Assignment-7

Notes-7

Collection and Generics

Difference between collection and generics

Where use both

Hash table

Stack

Queue

Implementation of both collections and generics

Practical Assignment-8

Notes-8

String and StringBuilder

Implementation of string and its different method and properties

Implementation of stringbuilder and its different method and properties

Difference between string and stringbuilder

Practical Assignment-9

Notes-9

Garbage Collection

Memory management

Destructor

Garbage collection implementation

Practical Assignment-10

Notes-10

Thread

Thread and its property

Thread and its priority
Implementation of thread
Practical Assignment-11
Notes-11

Delegate and Event

Implementation of delegation
Implementation of event
Practical Assignment-12
Notes-12

Reflection

Introduction of attribute
Retrieving metadata using reflection
Practical Assignment-13
Notes-13
Interview Question on C#

SQL SERVER-2008

Introduction of Database

Database
Rdbms
Er diagram
Dfd
Normalization
Denormalization
Relationship
Overview of sqlserver-2008
Feature of Sql server-2008

Database and Table Creation

Create and use database
datatype
Create table
Data integrity
Ddl statement
Dml statement
Primary key and foregn key
Use constraints
Practical Assighnment-1

Notes-1

Insert update Delete Query

Simple insert query

Insert query using select

Update query

Delete query

Practical Assignment-2

Notes-2

Selection of Data(using select query)

Select all data

Select specific column

Customize the display(change the col name in display)

Concatenate the text value in the output

Calculating the column

Practical Assignment-3

Notes-3

User of where clause

Using arithmetic operation

Using comparisons operator

Using and/or operator

Range

In and not in

Like operator

Null value

Use of order by

Top value of the table

Distinct

Practical Assignment-4

Notes-4

Functions in sqlserver

Use of string function

Use of date function

Use of mathematical function

Use of ranking function

Use of system function

Practical Assignment-5

Notes-5

Aggregate and Group by

Min

Max

Sum

Count

Group by

Compute and compute by

Pivot

Practical Assignment-6

Notes-6

Joins

Inner join

Outer join and its type

Cross join

Equi join

Self join

Practical Assignment-7

Notes-7

Subqueries

Use of subqueries

Using in and exists

Nested subqueries

Correlated subqueries

Practical Assignment-8

Notes-8

Constraints

Primary key constraint

Unique key constraint

Foreign key constraint

Check constraint

Default constraint

Practical Assignment-9

Notes-9

Alter

Add column

Dropping table

Practical Assignment-10

Notes-10

XML Data

Storing xml data in a table

Retrieving xml data from table

Use of xquery

Modify the xml data

Practical Assignment-11

Notes-11

Advanced Topic

Indexes

Xml indexes

View(create,alter,drop)

Use of if-else statement

Use of case statement

Use of while statement

Use of exception handling

Practical Assignment-12

Notes-12

Procedure and Triggers

Create and execute procedure

Create and execute triggers

Practical Assignment-13

Notes-13

Extra Topic

Script generation

Backup of database

Restore database

ADO.NET

ADO.NET Overview

Visual Studio .NET

OleDb and SQLServer

Namespaces and Classes

Interfaces

First ADO.NET Program.

ADO.NET Connections

Managed Providers
Connection Class
Connection Strings
Connection Pooling
Connection Events
Connection Factory Pattern
Error Handling

ADO.NET Commands

Command Objects
Command Types
Result Sets
Running queries
Running scalar queries
Running nonqueries
Parameters
Practical Assignment-1
Notes-1

DataReaders and Connected Access

DataReader Classes
Retrieving Data
Updating Data
Practical Assignment-2
Notes-2

Data Sets and Disconnected Access

DataSet
DataAdapter
Command Objects
DataTable
DataColumn
DataRow
Editing Columns
Row States and Versions
Sorting and Searching DataTables
Events
Practical Assignment-3
Notes-3

Concurrency and Transaction

Concurrency Overview
Transaction
Transaction and DataAdapter
Isolation Levels
Practical Assignment-4
Notes-4

XML and ADO.NET

Strong coupling between ADO.NET and XML
Typed DataSet
Rendering XML from a DataSet
Reading XML into a DataSet
Synchronized DataSet
Practical Assignment-5
Notes-5

Data Binding

DataView
Data Binding in Windows Forms
Simple Data Binding
DataGrid Binding
Master Detail Binding
Data Binding in Web Forms
Practical Assignment-6
Notes-6

Data Binding with Procedure

DataView
Data Binding in Windows Forms
Simple Data Binding
DataGrid Binding
Master Detail Binding
Data Binding in Web Forms
Practical Assignment-6
Notes-6

Data Binding with Procedure

DataView
Data Binding in Windows Forms
Simple Data Binding
DataGrid Binding
Master Detail Binding

Data Binding in Web Forms
Practical Assignment-7
Notes-7

ASP.NET

Introducing ASP.NET

Understand the basic architecture of a Web application
Understanding the role of HTTP
The difference between HTML and XHTML
Learn the key features of ASP.NET
The ASP.NET Namespaces
The history of ASP.NET Web development
Contrast the use of IIS vs. the Visual Studio development Web server
Work with different versions of IIS
Know the differences between a Visual Studio Web Site and a Web Application project

User Controls and Master Pages

Understanding and creating user controls
Creating composite user controls
Manipulating user controls on the host page
Exposing events from user controls
Host Web pages subscribing the user control events
Introducing Master pages
A Master page walkthrough
Nested Master pages
Master page events and page access
Practical Assignment-1
Notes-1

Caching

Importance of caching
ASP 3.0 Support for caching
Type of caching in ASP.NET
Output caching Web user control vs custom control
Fragment caching
Data caching vs. Application object
Practical Assignment-2
Notes-2

Site Navigation

Basic page navigation
Response.Redirect() and Server.Transfer()

Work with the MultiView control
Work with the Wizard control
Understand the site map model of ASP.NET
Examine the Menu navigation control
Examine the TreeView navigation control
Create Web application breadcrumbs
Practical Assignment-3
Notes-3

State Management

Define the role of view state
Read and write cookies
The role of application state and session state
Work with The State Service
Use SQL Server session management
Study the various forms of caching (the Cache object and OutputCache)
Work with Cache dependencies, such as a Sql Server dependency Practical
Assignment-4
Notes-4

ASP.NET and Web Services

Web Forms
Html Controls
Web Controls
Collaborative Web Applications
Moving from Web Sites to Web
Services
Simple Object Access Protocol
(SOAP)
Web Services Description Language
Practical Assignment-5
Notes-5

Reporting

Detail Concept of Crystal Report
Implementation of Crystal Report
Detail Concept of RDLC Report
Implementation of RDLC Report
Concept of dataset,mapping in Report
Practical Assignment-6
Notes-6

Security

Login Control
Authentication

Authorization

Practical Assignment-7

Notes-7

ASP.NET AJAX with Toolkit

Know the role of AJAX

AJAX in today's Web world

Understand the role of the XMLHttpRequest object

Learn the ASP.NET AJAX controls

Explore the ASP.NET AJAX client libraries

Use the UpdatePanel and the UpdateProgress controls

Build a Web site using the ASP.NET AJAX Control Toolkit

Practical Assignment-8

Notes-8

Other .NET Services

Interoperating with Win32

Interoperating with COM

Introduction of WCF

Basic concept of wcf

Implementation of wcf

Concept of protocol, binding

Managing in web config

Practical Assignment-9

Notes-9

Introduction of LINQ

Basic concept of linq

Implementation of linq

Lambda expression

Practical Assignment-10

Notes-10

Introduction of WPF

Basic concept of wpf

Implementation of wpf

Practical Assignment-11

Notes-11

Introduction of Silverlight

Basic concept of Silverlight

Implementation of Silverlight

Practical Assignment-12



Notes-12

Regards,

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