

Dot Net Technology
Important Questions

World4Engineers

World4Engineers

Dot Net Technology

Chapter 1

1. Explain the following terms: 1.ViewState 2.CLR 3.CTS 4.Assembly Manifest 5.GAC 6.Delegate.
2. Differentiate following terms: 1. Boxing and Unboxing. 2. VB.Net and C#.Net. 3. NameSpace and Assembly. 4. Server.Transfer and Response.Redirect
3. Explain .Net framework architecture with diagram and discuss its advantages.
4. What is DLL? Explain following terms: 1) MSIL 2) CLR 3) Jitter.
5. What is the extension of following files? 1) ASP.Net code behind file with VB 2) Master Page 3) ASP.Net page 4) Skin file 5) Web Service 6) User Control 7) SQL Server Database
6. Explain the following terms: 1. Cookie 2. MSIL 3.JIT
7. Differentiate the following terms: (02 Marks for each) 1. ASP and ASP.NET. 2. Method Overload and Operator Overload. 3. Boxing and Unboxing 4. Finalize() and Dispose().
8. Explain CLR in detail.
9. Explain .net framework architecture
10. What is namespace? Create C# program to demonstrate it.
11. What is CTS? Explain any three .net data type with relevant example.
12. Explain Following terms:
1) Side by Side Execution 2) MSIL 3)Managed Execution.
13. Explain .NET Framework architecture with diagram and discuss its benefits.
14. Explain the following terms: 1. MSIL 2. CLR 3. CTS 4.CLS 5. GAC 6. Jitter 7. Assembly Manifest.
15. Draw the .net framework architecture. State its advantage.
16. Explain .Net framework architecture with its block diagram.
17. Explain following terms: i) Assembly ii) MSIL iii) Side by Side Execution iv) Versioning
18. Explain Common Language Runtime (CLR) with diagram.
19. Write a Short note: (1) Namespaces (2) Cascading Style Sheet (CSS)

Chapter 2

1. Create a Console application that accepts your name as a command line argument and display welcome message with your name.
2. Explain abstract class (mustinherit) and function overriding with example.
3. Create vb.net console application for reading 10 elements and printing average of it. Also Handle divide by zero exception.
4. Write short note on Reflection API.
5. what is method overloading? Explain it in brief with suitable example using c#.
6. Explain Events and Delegates in C#. Write C# code to demonstrate use of Delegate.
7. Why property is needed? Explain readonly and writeonly property with example.
8. Differentiate properties and Indexers with relevant example

Dot Net Technology

9. What is property? Differentiate it with indexer. Write a C# code to implement the properties for name and age data member of Person class.
10. What is delegate? Explain it with suitable example.
11. What is Property? Explain read only, write only and read write property with suitable example.
12. What is delegate? What is its real time usage? Give C# code to demonstrate delegate.
13. What are the access-specifiers available in C#?
14. What is Reflection in .Net?

Chapter 3

1. Create a web application using C#.Net or VB.Net with Unbound connectivity to insert a record into Insert.aspx webpage (as shown below) and display the same records in Grid View control with update and delete facilities in Update.aspx webpage (as shown below) with following conditions:
 1. Only last 5 digits of Mobile numbers should be displayed in Grid View.
 2. Blank Record should not be inserted from Insert.aspx.

Insert Record	
UserName:	<input type="text"/>
Mobile:	<input type="text"/>
<input type="button" value="Insert"/>	

(Insert.aspx)

Update Records			
UserName	Mobile	Edit	Delete
Vidhi	12627	Edit	Delete
Aadi	99210	Edit	Delete
Vibha	59997	Edit	Delete
Vijay	50096	Edit	Delete
1 2 3			

(Update.aspx)

2. Explain Try...Catch...Finally statement in brief with example.
3. Explain arraylist and hashtable in C#.
4. What is namespace? Explain user defined namespace and show how to import it in other application
5. Explain Exception Handling mechanism in brief with example.
6. Explain hashtable in C#.Net with example.
7. Differentiate language features of C# and VB.Net
8. What is namespace? Discuss classes of System.Collections namespace.
9. What is namespace? Write a VB.Net code to illustrate the use of user defined namespace.
10. How Try...Catch...Finally statement is executed? Explain in brief with example.
11. Define Unsafe code in C#. How pointers are declared in C#? Explain with example.

Chapter 4

Dot Net Technology

1. Explain ADO.NET architecture.
2. Draw and explain ADO.Net architecture
3. Explain usage of following ADO.Net objects with their methods. 1) Data adapter 2) command object 3) Dataset.
4. Explain ADO.NET architecture.
5. Compare classic ADO and ADO.NET. Draw ADO.NET Architecture.
6. (i) Explain following properties of GridView control. (1) PageSize (2) SelectedIndex (3) CaptionAlign (4) BackImageUrl.
7. Write an ASP.NET code to fetch the data from SQL database table Student (having fields ID, Name, Roll Number and Age) on an ASP.NET page. Write the code to establish the connection and to retrieve and delete the data.
8. Write an ASP.NET code to add the data into an SQL database table Employee (having fields ID, Name, Age, Mobile Number and Email) from an ASP.NET page. Write the code to establish the connection and to insert the data.

Chapter 5

1. List out dialog boxes and explain FolderBrowserDialog Control in VB.NET.
2. What is Dialog? Explain following Dialogs with its usage. 1) FolderBrowserDialog 2) OpenFileDialog 3) ColorDialog.
3. Enlist various Windows Form Controls. Create a VB.NET Application for demonstrating use of any five Controls.
4. What is form dialog? Explain the following with suitable example. 1. FolderBrowserDialog 2. FontDialog 3. ColorDialog.
5. What is Dialog? Explain following Dialogs with its usage. i) FolderBrowserDialog ii) OpenFileDialog iii) ColorDialog.
6. Explain in brief: (1) OpenFileDialog Control (2) PrintDialog Control
7. Explain TextBox control with its important properties, methods and events.

*no questions from unit 6

Chapter 7

1. Write short note on GDI+
2. What is the extension of following: 1. ASP.Net page 2. Master Page 3.Skin File 4. Web Service File 5. ASP.Net Code Behind with C# 6. Web User Control 7. SQL Server Database File

Chapter 8

1. Explain FileUpload Control with suitable example in ASP.NET.
2. List out the Validation controls in ASP.NET and explain any two in detail.
3. What is AJAX? Give ASP.Net code to use UpdatePanel control.
4. List various validation controls in ASP.Net and explain any three with example.

Dot Net Technology

5. Explain the architecture of Silver light.
6. Explain AdRotator Control with suitable example in ASP.NET.
7. Explain TextBox and ImageMap controls with its syntax and example
8. Explain ASP.NET AdRotator Control with a example.
9. Write an ASP.NET application to count number of visitors of page and also give code to insert data in MS SQL database table userInfo(having fields *id* and *username*) by establishing connection to the database.
10. Explain Following ASP.Net Server Controls with suitable example 1. CheckBoxList 2. Image 3. HyperLink.
11. Differentiate ASP and ASP.Net. Explain Hyperlink and Image controls with example.

Chapter 9

1. Fill in the blanks from appropriate option:
 1. _____ defines the overall layout of web application. (Style sheets/ Master Page/ Theme) 2. Themes are stored in _____ folder of a web application. (App_Data/ App_Browser/ App_Themes)
 3. Extension of the theme files is _____. (.css/ .skin/ .theme)
 4. _____ helps in building interfaces that include documents, media, 2-D and 3-D graphics, animations. (WPF/ WCF/ WF)
 5. _____ allows us to develop Web applications that contain high-fidelity multimedia content and eye catching visual effects. (Silverlight/ WPF/ AJAX)
 6. _____ is used to include a namespace in C#. (import/ using/ include)
 7. _____ symbol is used as the de-referencer operator. (The ~ / The : / The *)
2. Explain advantages of themes and master page in ASP.Net. Explain content place holder with example.
3. Explain content place holder with example.
4. Explain advantages of themes and master page in ASP.NET. Write sample web application to show use of themes.
5. What is Master Page? Write a sample Master Page to implement the basic layout of website and Crate Sample Content Page to provide basic content of website.
6. What is Theme? State its importance. Explain it in details with suitable example.
7. What is Theme? Differentiate css and skin file. Give ASP.Net code to define theme and also give code to apply it in webpage.
8. What is Master Page? Give ASP.Net code to demonstrate the usage of nested master page.
9. What are Master pages? How to create Nested Master Pages? Explain with example.

Chapter 10

1. What is the difference between Datagrid, Datalist and Repeater?

Dot Net Technology

2. What is state management? Explain Session and Cookie with suitable example.
3. What is state management? Explain Application object and write ASP.Net code to count number of visitors.
4. Explain ListView Control.
5. Explain Viewstate and Application with suitable example.
6. Explain Cookie and Application state with example..
7. What is Session? Explain ASP.NET Session state management. Write a code snippet to store session state in SQL Server.
8. What is state management? Write a ASP.Net code to implement the code of visitor counter using Application State.
9. What is state management? Explain Application state and Viewstate with suitable example.
10. What is an event? Explain any three Keyboard events.
11. Discuss different modes of Session state to preserve the state information in ASP.NET.

Chapter 11

1. Create a webservice to retrieve Venue based on provided century number of Sachin Tendulkar from given database as shown below. Also write a code to consume mentioned service. e.g. if i/p is 2 then o/p will be Sydney Cricket Ground. Database Name: db_Sachin Table Name: tbl_Century

Century No.	Score	Against	Venue	Date
1	119*	England	Old Trafford, Manchester	14-Aug-90
2	148*	Australia	Sydney Cricket Ground Sydney	6-Jan-92
3	114	Australia	WACA Ground, PERTH	3-Feb-92

2. What is web service? Create a web service with web method to find sum of two numbers and also give code to consume it.
3. Explain Dataset and XML with suitable example.
4. Create a webservice to check whether the product is available in provided category from the user or not for given database table as shown below. Also write a code to consume mentioned service. Last column ("Available") indicates 1 if the product is available in respective category else it indicates 0. Database Name: db_Product, Table

Category Id.	Name	Available
1	Electronics	1
2	Kids	1
3	Sports	0

Name: tbl_Category

e.g. if user enters the input- "Sports" then output should be- "Not Available".

5. What is web service? Create a web service that multiplies two numbers.
6. What is web service? Create web service to convert temperature from Celsius to Fahrenheit.
7. Explain web services. Write a .NET based web service for calculator functionality include addition, subtraction and multiplication operations and code for consuming web service.
8. What is web service? Create a web service to retrieve Zip Code based on provided City Name. Also write a code to consume mentioned service.
9. What is web service? Create a web service to find area of circle. Also give code to consume it.
10. What is web.config? How many web.config files can be allowed to use in an application?
11. What are Web Services? Discuss their uses and advantages.

Chapter 12

1. Write short notes on WPF, WCF and WF.
2. Draw and discuss WPF architecture.
3. What is WPF? Explain its architecture.
4. What is WPF? Explain its features. Also draw and explain WPF architecture.
5. Write the short note on WCF, Silverlight and WF.
6. What is WCF? Explain WCF Architecture with diagram.