

# GSSP-NET-CSHARP<sup>Q&As</sup>

GIAC Secure Software Programmer - C#.NET

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**QUESTION 1**

You work as an Application Developer for ABC Inc. You are assigned with developing a Web site that will handle information related to monthly sales of the company. You wish to secure the Web site so that only employees of the Accounts department can view the Web pages. You need to create roles for the employees of this department. The user account information will be stored in a SQL Server database named Database. You decide to do all this by using the Web Site Administration Tool. Which of the following types of security will you use to accomplish the task?

- A. Basic authentication
- B. Integrated Microsoft Windows authentication
- C. Forms-based authentication
- D. Digest authentication

Correct Answer: C

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**QUESTION 2**

You work as a Software Developer for ABC Inc. The company uses Visual Studio.NET 2005 as its application development platform. You create a Windows service application that will be used by Visual Studio .NET applications. You want to ensure that an access to the Windows service is restricted. Therefore, you decide to use the ServiceInstaller class. You want to specify the security context of the Windows service application. Which

- A. Password property
- B. UserName property
- C. Context property
- D. Account property

Correct Answer: D

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**QUESTION 3**

You work as a Database Administrator for ABC Inc. The company has a SQL Server 2000 computer. One of the databases on the server contains a table named Employees, for storing information about employees in the company. There are two employees, Joe and Rick, to whom you want to give additional responsibilities. You want Joe to be allowed to modify only the E-mail column of the table, and Rick should be allowed to modify only the Salary column of the table. Neither Joe nor Rick should be allowed to have permission on the Employees table.

You want to ensure that the above rule is followed strictly. What will you do to accomplish this?

- A. Create a user-defined function to modify data.
- B. Create a RULE on both the columns.
- C. Create a stored procedure to modify data

D. Create a CHECK constraint on both the columns.

Correct Answer: C

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#### QUESTION 4

George works as a Software Developer for GenTech Inc. He creates an application named App1 using Visual Studio .NET. App1 uses the version 2.0.0.0 of an assembly named Assembly1. However, he wants App1 to use a new version i.e.

2.1.0.0 of Assembly1. Therefore, he needs to specify Assembly1's location so that App1 can use version 2.1.0.0 of Assembly1. What will George use to accomplish the task?

Each correct answer represents a complete solution. Choose all that apply.

- A. An unmanaged code.
- B. A managed code.
- C. The element.
- D. The element.

Correct Answer: CD

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#### QUESTION 5

Smith works as a Software Developer for BlueWell Inc. He develops a Web application named WebApp by using Visual Studio .NET. He wants to deploy WebApp on a target computer. He wants to take precautionary measures in the application so that no issues may arise while deploying it. Which of the following measures will Smith take to accomplish the task?

Each correct answer represents a complete solution. Choose all that apply.

- A. Organize data in the application configuration files.
- B. Use a tracing feature to trace and gather information about each step in the program execution.
- C. Use a technique to avoid errors and to store error-related information.
- D. Use a debugger to step through the application code while it is running.
- E. Respond to health monitoring events in order to log performance and error-related conditions.

Correct Answer: BCDE

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#### QUESTION 6

You work as a Software Developer for ABC Inc. The company has several branches Worldwide. The company uses Visual Studio.NET 2005 as its application development platform. You are creating an applications using .NET Framework

2.0. You want to allow users to view various details of a given unmanaged code. What will you do to accomplish the task?

- A. Use a COM/DCOM server.
- B. Use the Dispinterface.
- C. Use the Makecert.exe.
- D. Use the dumpbin.exe.

Correct Answer: D

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### QUESTION 7

Sam works as a Software Developer for GenTech Inc. He develops an application named App1 using Visual Basic .NET. App1 uses a non-COM DLL named Value1.dll, which contains unmanaged code. Sam writes a method named Method1

in Value1.dll as follows:

```
Method1 Lib "Value1.dll"(ByVal InputVar As String, ByRef WordsVar As String, ByRef  
NumbersVar As Integer) As Integer
```

Sam wants to use Method1 for parsing a string into an array of string values and an array of integers. Sam wants to enable App1 to call this function. Which of the following statements about the method are true?

Each correct answer represents a complete solution. Choose all that apply.

- A. The value of the first parameter cannot be changed by a procedure or a function.
- B. The second parameter will contain all string values found in the first parameter.
- C. The third parameter will contain all integer values found in the second parameter.
- D. The third parameter will contain all string values found in the second parameter.

Correct Answer: ABC

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### QUESTION 8

You work as a Software Developer for ManSoft Inc. You create an assembly. You place the assembly in a specific folder. Which of the following classes can you use to determine whether the assembly was located in a specific folder? Each correct answer represents a complete solution. Choose two.

- A. UrlMembershipCondition
- B. ApplicationDirectoryMembershipCondition
- C. GacMembershipCondition
- D. SiteMembershipCondition

Correct Answer: AB

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#### QUESTION 9

Which of the following code snippets is an example of tight encapsulation?

- A. `protected int x; protected void fun(){x=5;}`
- B. `int x; public void fun(){x=5;}`
- C. `public int x; public void fun() {x=5;}`
- D. `private int x; public void fun(){x=5;}`
- E. `private int x; private void fun(){x=5;}`

Correct Answer: D

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#### QUESTION 10

Patrick works as a Software Developer for BlueWell Inc. He develops an ASP.NET application

named App1 using Visual Studio .NET. The application displays employee registration form on the company's Web site. The form contains the following fields:

I First Name

I Last Name

I Date of Birth

I E-mail

The application contains a TextBox control for each field. Patrick wants the application to provide a user-defined error message whenever an employee makes a wrong entry on the form. Patrick uses a CustomValidator validation control in the application. Which of the following properties is mandatory if the CustomValidator control is used to validate a user input data entry?

- A. `EnableViewState`
- B. `IsValid`
- C. `EnableTheming`
- D. `ErrorMessage`

Correct Answer: B

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#### QUESTION 11

John works as a Software Developer for Blue Well Inc. He wants to create a class named Class1 and implements the

generic IComparable interface. He writes the following code:

```
public class Class1 : System.IComparable
{
}
}
```

However, John needs to compare one object of Class1 with another object. Which of the following code statement will John include in his application?

- A. `public int CompareTo(object obj){}`
- B. `public object CompareTo(int obj){}`
- C. `public int CompareTo(Class1 obj){}`
- D. `public object CompareTo(Class1 obj){}`

Correct Answer: C

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#### QUESTION 12

Andrew works as a Software Developer for Mansoft Inc. The company's network has a Web server that hosts the company's Web site. Andrew wants to enhance the security of the Web site by implementing Secure Sockets Layer (SSL). Which of the following types of encryption does SSL use?

Each correct answer represents a complete solution. Choose two.

- A. Symmetric
- B. Secret
- C. IPsec
- D. Asymmetric

Correct Answer: AD

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#### QUESTION 13

Sandra works as a Software Developer for ABC Inc. She develops a Web site on a client computer. She creates a custom control named CustControl1 on a Web page named

MicrosoftCert1. She wants to retain the custom control property information during several round trips to a server. She wants to ensure that the control property is retained even if the view state of the Web page is disabled at the page level. Which of the following client-based techniques for storing state management information will Sandra use to accomplish the task?

- A. Control state
- B. Cookie

C. Query string

D. Hidden field

E. View state

Correct Answer: A

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#### QUESTION 14

Daniel works as a Software Developer for GenTech Inc. He develops an ASP.NET application, named

App1, using Visual Studio .NET. He creates an interface in App1, named Employees. The Employees interface contains declaration for a method, named Method1. Daniel creates another interface, named HeadOfDept. HeadOfDept inherits

from the Employees interface and contains the declaration for a method, named Method2. He then creates a class named Manager as follows:

```
public class Manager : HeadOfDept
```

Which of the following statements about the application are true?

Each correct answer represents a complete solution. Choose all that apply.

A. The Manager class must implement the Method1 method.

B. The Manager class implements the HeadOfDept interface.

C. The Manager class must implement the Method2 method.

D. The Method1 method can have any access modifier.

Correct Answer: ABC

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#### QUESTION 15

You work as a Windows Application Developer for ABC Inc. The company uses Visual Studio .NET as its application development platform. You create a Windows application using the .NET Framework. You create a Semaphore class instance in the application by using the following code snippet:

```
Semaphore tSema = new Semaphore(0, 5);
```

```
...
```

```
tSema.Release(6);
```

What will the above code segment do?

A. It will set the maximum count for the semaphore to 6.

B. It will set the initial count for the semaphore to 5.

C. It will throw a SemaphoreFullException.

D. It will throw a ThreadAbortException.

Correct Answer: C

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