

Exam Number/Code:98-372

Exam Name: Microsoft .NET
Fundamentals

Version: Demo

QUESTION: 1

Which collection enforces type safety?

- A. Queue
- B. Hashtable
- C. ArrayList
- D. List<T>

Answer: D

QUESTION: 2

You need to trace the execution of an application that contains C# code and Microsoft Visual Basic .NET code.

Which tool should you use?

- A. Machine Debug Manager
- B. Remote Debug Monitor
- C. Microsoft Visual Studio
- D. CLR Profiler

Answer: C

QUESTION: 3

Which core technology allows interoperability between Microsoft Visual Basic .NET code and C# code?

- A. Microsoft Visual Studio
- B. Windows 7
- C. Microsoft Intermediate Language (MSIL)
- D. Windows Azure

Answer: C

QUESTION: 4

What is an advantage of strongly typed code languages like .NET?

- A. Use of efficient type casting.
- B. Use of less memory.
- C. Capturing of errors during compilation.
- D. Improved readability.

Answer: C

QUESTION: 5

Why do managed languages use references and not pointers?

- A. Pointer notation requires more characters than reference notation.
- B. Pointers are stored by using a fixed amount of memory.
- C. Pointers are not type-safe.
- D. Null pointers can lead to run-time errors.

Answer: C

Explanation: Type-safe accesses only the memory locations it is authorized to access, and only in well-defined, allowable ways. Type-safe code cannot perform an operation on an object that is invalid for that object.

QUESTION: 6

What is the name of the environment that runs .NET managed code?

- A. Common Language Runtime (CLR)
- B. Component Object Model (COM)
- C. Virtual Private Network (VPN)
- D. Microsoft Intermediate Language (MSIL)

Answer: A

QUESTION: 7

You need to suspend the current thread until all `Finalize()` methods have been processed.

Which garbage collection method should you use?

- A. WaitForPendingFinalizers
- B. SuppressFinalize
- C. Collect
- D. Dispose

Answer: D

QUESTION: 8

Which feature is automatically handled in managed code but must be explicitly handled in unmanaged code?

- A. Namespaces
- B. Code signing
- C. Memory disposal
- D. Exception handling

Answer: C

Explanation: Unmanaged code does not have a garbage collector and you will have to keep track of all your memory allocations to avoid memory leaks.

QUESTION: 9

You want to access a native Win32 function from a .NET application.

You import the function.

Which two keywords should you use to define the function? (Each correct answer presents part of the solution. Choose two.)

- A. Extern
- B. Static
- C. Private
- D. Public

Answer: A,B

Explanation: Example:

```
using System.Runtime.InteropServices;  
using System.Windows.Interop;
```

```

using System.Diagnostics;
using System.Threading;

public partial class MainWindow : Window
{
[DllImport("user32.dll", SetLastError = true)]
static extern IntPtr SetParent(IntPtr hWndChild, IntPtr hWndNewParent);

[DllImport("user32.dll", SetLastError = true)]
static extern IntPtr FindWindow(string lpClassName, string lpWindowName);

public MainWindow()
{
InitializeComponent();
}

private void btnHost_Click(object sender, RoutedEventArgs e) {
WindowInteropHelper wndHelp = new WindowInteropHelper(this);
Process.Start("Notepad.exe");
// Sleep the thread in order to let the Notepad start completely Thread.Sleep(50);
SetParent(FindWindow("NotePad", "Untitled - Notepad"), wndHelp.Handle); }
}

```

QUESTION: 10

A class named Student is contained inside a namespace named Contoso.Registration.
Another class named Student is contained inside a namespace named Contoso.Contacts.

You need to use both classes within the same code file.

What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

- A. Add the following line of code on the top of the code file, Using Contoso;
Refer to the classes by using the Student class wrapped within the regions named Registration and Contacts.
- B. Refer to the classes by using their fully qualified class names,
Contoso.Registration.Student and Contoso.Contacts.Student.
- C. Add the following lines of code on the top of the code file.
Using Contoso.Contacts;

Using Contoso.Registration;

Refer to the classes by using the Student class.

D. Add the following lines of code on the top of the code file.

Using RStudent = Contoso.Registration.Student;

Using CStudent = Contoso.Contacts.Student;

Refer to the classes as RStudent and CStudent.

Answer: A,C