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Q&A

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Exam : **70-505-VB**

Title : TS: Microsoft .NET
Framework 3.5, Windows
Forms Application
Development

Version : Demo

1. You are creating a Windows application by using the .NET Framework 3.5. You plan to create a form that might result in a time-consuming operation. You use the `QueueUserWorkItem` method and a Label control named `lblResult`. You need to update the users by using the `lblResult` control when the process has completed the operation. Which code segment should you use?

- A.

```
Private Sub DoWork(ByVal myParameter As Object) 'thread work Invoke(New MethodInvoker (AddressOf ReportProgress))End SubPrivate Sub ReportProgress () Me.lblResult.Text = "Finished Thread"End Sub
```
- B.

```
Private Sub DoWork (ByVal myParameter As Object) 'thread work Me.lblResult.Text = "Finished Thread"End Sub
```
- C.

```
Private Sub DoWork (ByVal myParameter As Object)'thread work System.Threading.Monitor.Enter(Me) Me.lblResult.Text = "Finished Thread" System.Threading.Monitor.Exit(Me)End Sub
```
- D.

```
Private Sub DoWork (ByVal myParameter As Object) 'thread work System.Threading.Monitor.TryEnter(Me) ReportProgress()End SubPrivate Sub ReportProgress () Me.lblResult.Text = "Finished Thread"End Sub
```

Answer: A

2. You are creating a Windows component by using the .NET Framework 3.5. The component will be used in Microsoft Word 2007 by using a ribbon button. The component uploads large files to a network file share. You find that Word 2007 becomes non-responsive during the upload. You plan to create your own thread to execute the upload. You need to ensure that the application completes the upload efficiently. What should you do.?

- A. Use the `AsyncResult.SyncProcessMessage` method.
- B. Call the `BeginInvoke` method, perform the upload, and then call the `EndInvoke` method.
- C. Retrieve a `WaitHandle` from an implementation of the `IAAsyncResult` interface before the upload.
- D. Set the `IsCompleted` property on an implementation of the `IAAsyncResult` interface before the upload.

Answer: B

3. You are creating a Windows Forms application by using the .NET Framework 3.5. The application requires a thread that accepts a single integer parameter. You write the following code segment. (Line numbers are included for reference only.)
01 `Dim myThread`
As `Thread = New Thread(New _` `ParameterizedThreadStart(AddressOf DoWork))`
02 `myThread.Start(100)`
03 You need to declare the method signature of the `DoWork` method. Which method signature should you use?

- A. `Public Sub DoWork()`
- B. `Public Sub DoWork(ByVal nCounter As Integer)`
- C. `Public Sub DoWork(ByVal oCounter As Object)`
- D. `Public Sub DoWork(ByVal oCounter As System.Delegate)`

Answer: C

4. You are creating a Windows application by using the .NET Framework 3.5. The Windows application has the print functionality. You create an instance of a `BackgroundWorker` component named

backgroundWorker1 to process operations that take a long time. You discover that when the application attempts to report the progress, you receive a

System.InvalidOperationException exception when executing the

backgroundWorker1.ReportProgress method. You need to configure the BackgroundWorker component appropriately to prevent the application from generating exceptions. What should you do?

- A. Set the Result property of the DoWorkEventArgs instance to True before you attempt to report the progress.
- B. Set the CancellationPending property of backgroundWorker1 to True before you attempt to report the background process.
- C. Set the WorkerReportsProgress property of backgroundWorker1 to True before you attempt to report the background process.
- D. Report the progress of the background process in the backgroundWorker1_ProgressChanged event.

Answer: C

5. You are creating a Windows application for graphical image processing by using the .NET Framework 3.5. You create an image processing function and a delegate. You plan to invoke the image processing function by using the delegate. You need to ensure that the calling thread meets the following requirements: It is not blocked when the delegate is running. It is notified when the delegate is complete. What should you do?

- A. Call the Invoke method of the delegate.
- B. Call the BeginInvoke and EndInvoke methods of the delegate in the calling thread.
- C. Call the BeginInvoke method by specifying a callback method to be executed when the delegate is complete. Call the EndInvoke method in the callback method.
- D. Call the BeginInvoke method by specifying a callback method to be executed when the delegate is complete. Call the EndInvoke method of the delegate in the calling thread.

Answer: C