



70-552(C++)

70-552 C++

Q&A

DEMO Version

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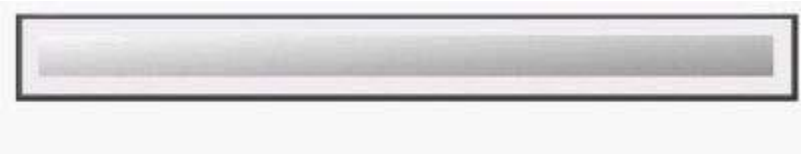
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QUESTION 1

You are developing a utility screen for a new client application. The utility screen displays a thermometer that conveys the current status of processes being carried out by the application. You need to draw a rectangle on the screen to serve as the background of the thermometer as shown in the exhibit. The rectangle must be filled with gradient shading. (Click the Exhibit button.) Which code segment should you choose?



- A. `Rectangle^ rectangle = gcnw Rectangle(10, 10, 450, 25); LinearGradientBrush^ rectangleBrush = gcnw LinearGradientBrush(rectangle, Color::AliceBlue, Color::CornflowerBlue, LinearGradientMode::ForwardDiagonal); Pen^ rectanglePen = gcnw Pen(rectangleBrush); Graphics^ g = this->CreateGraphics(); g->DrawRectangle(rectanglePen, rectangle);`
- B. `Rectangle^ rectangle = gcnw Rectangle(10, 10, 450, 25); LinearGradientBrush^ rectangleBrush = gcnw LinearGradientBrush(rectangle, Color::AliceBlue, Color::CornflowerBlue, LinearGradientMode::ForwardDiagonal); Pen^ rectanglePen = gcnw Pen(rectangleBrush); Graphics^ g = this->CreateGraphics(); g->FillRectangle(rectangleBrush, rectangle);`
- C. `RectangleF^ rectangle = gcnw RectangleF(10f, 10f, 450f, 25f); array<Point>^ points = gcnw array<Point>^ {gcnw Point(0, 0), gcnw Point(110, 145)}; LinearGradientBrush^ rectangleBrush = gcnw LinearGradientBrush(rectangle, Color::AliceBlue, Color::CornflowerBlue, LinearGradientMode::ForwardDiagonal); Pen^ rectanglePen = gcnw Pen(rectangleBrush); Graphics^ g = this->CreateGraphics(); g->DrawPolygon(rectanglePen, points);`
- D. `RectangleF^ rectangle = gcnw RectangleF(10f, 10f, 450f, 25f); SolidBrush^ rectangleBrush = gcnw SolidBrush(Color::AliceBlue); Pen^ rectanglePen = gcnw Pen(rectangleBrush); Graphics^ g = this->CreateGraphics(); g->DrawRectangle(rectangleBrush, rectangle);`

Answer: B

QUESTION 2

You create an application to send a message by e-mail. An SMTP server is available on the local subnet. The SMTP server is named `smtp.contoso.com`. To test the application, you use a source address, `me@contoso.com`, and a target address, `you@contoso.com`. You need to transmit the e-mail message. Which code segment should you use?

- A. `MailAddress addrFrom("me@contoso.com", "Me");MailAddress addrTo("you@contoso.com", "You"); MailMessage message(%addrFrom, %addrTo);message.Subject = "Greetings!";message.Body = "Test"; message.Dispose();`
- B. `String^ strSmtpClient = "smtp.contoso.com";String^ strFrom = "me@contoso.com";String^ strTo = "you@contoso.com";String^ strSubject = "Greetings!";String^ strBody = "Test";MailMessage msg(strFrom, strTo, strSubject, strSmtpClient);`
- C. `MailAddress addrFrom("me@contoso.com");MailAddress addrTo("you@contoso.com");MailMessage message(%addrFrom, %addrTo);message.Subject = "Greetings!";message.Body = "Test";SmtpClient client ("smtp.contoso.com");client.Send(%message);`
- D. `MailAddress^ addrFrom = gcnw MailAddress("me@contoso.com", "Me");MailAddress^ addrTo = gcnw MailAddress("you@contoso.com", "You");MailMessage^ message = gcnw MailMessage(addrFrom, addrTo);message->Subject = "Greetings!";message->Body = "Test";SocketInformation info;Socket^ client = gcnw Socket(info);System::Text::ASCIIEncoding^ enc = gcnw System::Text::ASCIIEncoding();array<unsigned char>^ msgBytes = enc->GetBytes(message->ToString()); client->Send(msgBytes);`

Answer: C

QUESTION 3

You need to write a code segment that will add a string named strConn to the connection string section of the application configuration file. Which code segment should you use?

- A. `System::Configuration::Configuration^ myConfig = ConfigurationManager::OpenExeConfiguration (ConfigurationUserLevel::None);myConfig->ConnectionStrings->ConnectionStrings->Add(gcnew ConnectionStringSettings("ConnStr1", strConn));myConfig->Save();`
- B. `System::Configuration::Configuration^ myConfig = ConfigurationManager::OpenExeConfiguration (ConfigurationUserLevel::None);myConfig->ConnectionStrings->ConnectionStrings->Add(gcnew ConnectionStringSettings("ConnStr1", strConn));ConfigurationManager::RefreshSection ("ConnectionStrings");`
- C. `ConfigurationManager::ConnectionStrings::Add(gcnew ConnectionStringSettings("ConnStr1", strConn)); ConfigurationManager::RefreshSection("ConnectionStrings");`
- D. `ConfigurationManager::ConnectionStrings::Add(gcnew ConnectionStringSettings("ConnStr1", strConn)); System::Configuration::Configuration^ myConfig = ConfigurationManager::OpenExeConfiguration (ConfigurationUserLevel::None);myConfig->Save();`

Answer: A

QUESTION 4

You are using the Microsoft Visual Studio 2005 IDE to examine the output of a method that returns a string. You assign the output of the method to a string variable named fName. You need to write a code segment that prints the following on a single line

The message: "Test Failed: "
The value of fName if the value of fName does not equal "John"

You also need to ensure that the code segment simultaneously facilitates uninterrupted execution of the application. Which code segment should you use?

- A. `Debug::Assert(fName == "John", "Test Failed: ", fName);`
- B. `Debug::WriteLineIf(fName != "John", fName, "Test Failed");`
- C. `if (fName != "John") { Debug::Print("Test Failed: "); Debug::Print(fName);}`
- D. `if (fName != "John") { Debug::WriteLine("Test Failed: "); Debug::WriteLine(fName);}`

Answer: B

QUESTION 5

You are developing an application that will deploy by using ClickOnce. You need to test if the application executes properly. You need to write a method that returns the object, which prompts the user to install a ClickOnce application. Which code segment should you use?

- A. `return ApplicationSecurityManager::ApplicationTrustManager;`
- B. `return AppDomain::CurrentDomain::ApplicationTrust;`
- C. `return gcnew HostSecurityManager();`
- D. `return SecurityManager::PolicyHierarchy();`

Answer: A

QUESTION 6

You are developing a method to hash data with the Secure Hash Algorithm. The data is passed to your method as a byte array named message. You need to compute the hash of the incoming parameter by using SHA1. You also need to place the result into a byte array named hash. Which code segment should you use?

- A. `SHA1 ^sha = gcnew SHA1CryptoServiceProvider();array<Byte>^hash = nullptr;sha->TransformBlock(message, 0, message->Length, hash, 0);`
- B. `SHA1 ^sha = gcnew SHA1CryptoServiceProvider();array<Byte>^hash = BitConverter::GetBytes(sha->GetHashCode());`
- C. `SHA1 ^sha = gcnew SHA1CryptoServiceProvider();array<Byte>^hash = sha->ComputeHash(message);`
- D. `SHA1 ^sha = gcnew SHA1CryptoServiceProvider();sha->GetHashCode();array<Byte>^hash = sha->Hash;`

Answer: C

QUESTION 7

You create a DirectorySecurity object for the working directory. You need to identify the user accounts and groups that have read and write permissions. Which method should you use on the DirectorySecurity object?

- A. the GetAuditRules method
- B. the GetAccessRules method
- C. the AccessRuleFactory method
- D. the AuditRuleFactory method

Answer: B

QUESTION 8

You are creating an assembly named Assembly1. Assembly1 contains a public method. The global cache contains a second assembly named Assembly2. You must ensure that the public method is only called from Assembly2. Which permission class should you use?

- A. `GacIdentityPermission`
- B. `PublisherIdentityPermission`
- C. `DataProtectionPermission`
- D. `StrongNameIdentityPermission`

Answer: D

QUESTION 9

You are changing the security settings of a file named MyData.xml. You need to preserve the existing inherited access rules. You also need to prevent the access rules from inheriting changes in the future. Which code segment should you use?

- A. `FileSecurity^ security = gcnew FileSecurity("mydata.xml",AccessControlSections::All);security->SetAccessRuleProtection(true, true);File::SetAccessControl("mydata.xml", security);`
- B. `FileSecurity^ security = gcnew FileSecurity();security->SetAccessRuleProtection(true, true);File::SetAccessControl("mydata.xml", security);`
- C. `FileSecurity^ security = File::GetAccessControl("mydata.xml");security->SetAccessRuleProtection(true, true);`

D. `FileSecurity^ security = File::GetAccessControl("mydata.xml");security->SetAuditRuleProtection(true, true);
File::SetAccessControl("mydata.xml", security);`

Answer: A

QUESTION 10

You are writing code for user authentication and authorization. The username, password, and roles are stored in your application data store. You need to establish a user security context that will be used for authorization checks such as `IsInRole`. You write the following code segment to authorize the user.

```
if (!TestPassword(userName, password))
throw new Exception("could not authenticate user");
String[] userRolesArray = LookupUserRoles(userName);
```

You need to complete this code so that it establishes the user security context. Which code segment should you use?

- A. `GenericIdentity ident = new GenericIdentity(userName);GenericPrincipal currentUser = new GenericPrincipal(ident, userRolesArray);Thread.CurrentPrincipal = currentUser;`
- B. `WindowsIdentity ident = new WindowsIdentity(userName);WindowsPrincipal currentUser = new WindowsPrincipal(ident);Thread.CurrentPrincipal = currentUser;`
- C. `NTAccount userNTName = new NTAccount(userName);GenericIdentity ident = new GenericIdentity(userNTName.Value);GenericPrincipal currentUser= new GenericPrincipal(ident, userRolesArray);Thread.CurrentPrincipal = currentUser;`
- D. `IntPtr token = IntPtr.Zero;token = LogonUserUsingInterop(userName, encryptedPassword);
WindowsImpersonationContext ctx = WindowsIdentity.Impersonate(token);`

Answer: A