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CSE 3200 : Mid Term Quiz

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CSE 3200 : Mid Term Quiz

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Section *

◯ A1

◯ A2

⦿ B1

○ B2

○ C1

○ C2

Questions

Total Questions: 15
Time: 30 Minutes

Which of the following may be used to specify the member of a class externally?

○ :

◉ ::

○ #

○ None

What will be the output of the following code snippet? (">>" symbol in the options indicates newline)

```
 1 using System;
 2
 3 class MyClass
 4 {
 5     public static void first()
 6     {
 7         Console.WriteLine("C# is awesome!");
 8     }
 9     public void second()
10     {
11         first();
12         Console.WriteLine("Fun to learn C#.");
13     }
14     public void second(int i)
15     {
16         Console.WriteLine("{0} {1} {2}", i++, i%(i+1), ++i);
17         second();
18     }
19 }
20 public class Program
21 {
22     public static void Main()
23     {
24         MyClass obj = new MyClass();
25         MyClass.first();
26         obj.second(10);
27     }
28 }
```

- ⦿ C# is awesome! >> 10 11 12 >> C# is awesome! >> Fun to learn C#.

- ◯ Fun to learn C#. >> 10 11 12 >> Fun to learn C#. >> C# is awesome!

- ◯ None

- ◯ C# is awesome! >> 10 0 1

Which of the following modifier applies when a virtual method is redefined by a derived class?

- ◯ overloads

- ⦿ override

- ◯ overridable

- ◯ virtual

- ◯ base

What will be the output of the following code snippet? (">>" symbol in the options indicates newline)

```
 1 using System;
 2 class BaseClass {
 3     protected int a, b;
 4     public BaseClass() {
 5     }
 6     public BaseClass(int a, int b) {
 7         this.a = a;  this.b = b;
 8         Console.WriteLine("{0} {1} {2}", a, b, a+b );
 9     }
10 }
11 class DeriverdClass: BaseClass {
12     int c;
13     public DeriverdClass(int a, int b, int c): base() {
14         this.c = c;
15         Console.WriteLine("{0} {1} {2}", a, b, c );
16     }
17     public DeriverdClass(int a, int b): base(a, b) {
18         this.c = a*b;
19         Console.WriteLine("{0} {1} {2}", a, b, c );
20     }
21 }
22 public class Program{
23     public static void Main(string[] args) {
24         DeriverdClass d1 = new DeriverdClass(10, 20);
25         DeriverdClass d2 = new DeriverdClass(10,20,30);
26     }
27 }
```

○ >>10 20 30 >>10 20 200 >>10 20 300

○ >>10 20 30 >>10 20 200

○ >>10 20 30 >>10 20 200 >>10 20 30 >>10 20 200

◉ 'BaseClass.BaseClass()' is inaccessible due to its protection level

---

Which of the following statements are correct for run-time polymorphism? (can select multiple options)

☑ The overridden base method should be virtual, abstract or override.

☑ An abstract method is implicitly a virtual method.

☐ An abstract inherited property cannot be overridden in a derived class.

☑ Both the override method and virtual method must have the same access level modifier.

Which of the methods can be used to add an item to the items collection of the ComboBox in Windows Forms Application? (can select multiple answer)

☑ Items.AddRange

☑ Items.Insert

☐ Items.CopyTo

☑ Items.Add

What does the following code snippet do if textBox_KeyPress is the method that will handle the keyPress of textBox control?

```
1.  namespace WindowsFormsApplication
2.  {
3.      public partial class Form1 : Form
4.      {
5.          public Form1()
6.          {
7.              InitializeComponent();
8.          }
9.
10.         private void textBox_KeyPress(object sender, KeyPressEventArgs e)
11.         {
12.             if(!char.IsDigit(e.KeyChar))
13.             {
14.                 e.Handled = true;
15.             }
16.
17.         }
18.     }
19. }
```

○ It will allow textBox to accept characters only

○ It will allow textBox to accept digits only

◉ It will allow textBox to accept any characters except the digits

○ It will allow textBox to accept any character

What will be displayed on textBox1 for the following code snippet? (Assume textBox1 is a textbox Control)

```
1. namespace WindowsFormsApplication
2. {
3.     public partial class Form1 : Form
4.     {
5.         List<string> characters = new List<string>{"a", "b", "c", "a", "b", "c"};
6.
7.         public Form1()
8.         {
9.             InitializeComponent();
10.            characters.Insert(3, "z");
11.            characters.Remove("b");
12.            characters.Reverse();
13.
14.            foreach (var character in characters)
15.            {
16.                textBox1.Text += character + " ";
17.            }
18.        }
19.    }
20. }
```

○ c a z c b a

○ c b a c z a

○ a c z a b c

● c b a z c a

In Windows Forms Application all the classes are derived from which class?

● System.Windows.Forms

○ System.Windows.Forms.Form

○ System.Windows.Forms.Program

○ System.Windows.Forms.Main

What will be the output of the following code snippet?

```
1.  namespace ConsoleApplication
2.  {
3.      class A {
4.          public string message = "Hello!";
5.      }
6.
7.      class Program
8.      {
9.          static void Main(string[] args)
10.         {
11.             A a1 = new A();
12.             A a2 = new A();
13.
14.             a1.message = "Hola!";
15.             a2.message = "Ciao!";
16.
17.             a1 = a2;
18.
19.             Console.WriteLine(a1.message+" "+a2.message);
20.             Console.Read();
21.         }
22.     }
23. }
```

○ Hola! Ciao!

○ Hello! Ciao!

◉ Ciao! Ciao!

○ Hola! Hola!

_____ request processing technique is followed in ASP .NET MVC. (can select multiple answer)

☐ Top-Down

☐ Down-Up

☑ Pipeline

☐ Waterfall

Which of the following statements about "Action Method" are not true?

○ Can not be declared as "private"

◉ Can be declared as "static"

○ Can return a view, partial view or any of the primitive data types

○ None

Which of the following can be used to collect request values in Action Method? (can select multiple answer)

☐ TempData

☐ FormCollection

☑ QueryString

☐ Model Binding

HtmlHelper class generates _____.

○ html view

◉ html elements

○ model data

○ html help file

What will be the output of the following code snippet if there is no result data for the supplied criteria in the database query (in line 3-4)?

```
 1 public ActionResult Login(TempUser tempUser) {
 2     if (ModelState.IsValid) {
 3         var user = db.Users.Where(u => u.UserEmail.Equals(tempUser.UserEmail)
 4         && u.UserPassword.Equals(tempUser.UserPassword)).First();
 5
 6         if (user != null) {
 7             return RedirectToAction("DashBoard", new { email = user.UserEmail});
 8         }
 9         else {
10             return Content("User not found or password mismatched");
11         }
12     }
13     return View();
14 }
```

◉ User not found or password mismatched

○ Will throw an exception

○ Redirect control to the controller named "DashBoard"

◯   None

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