QUIZ

Started on	Wednesday, 10 January 2024, 9:46 PM
State	Finished
Completed on	Wednesday, 10 January 2024, 9:59 PM
Time taken	12 mins 25 secs
Grade	**32.00** out of 40.00 (**80**%)

Question 1

Correct

Mark 1.00 out of 1.00

All Controllers in ASP.NET MVC (.Net Framework) inherit from the following class?

○ a.   Controller✔

○ b.   ControllerBase

○ c.   AsyncController

○ d.   Object

The correct answer is: Controller

Question 2

Correct

Mark 1.00 out of 1.00

What will be the output of the following code snippet?

public class Class1 {public int I{get;set;}}

public class MainClass

{

public static void Main()

　{

　　　Class1 o1= new Class1{I=10};

　　　Class1 o2= new Class1{I=20};

Swap(o1,o2);

Console.WriteLine($"{o1.I},{o2.I}");

}

public static void Swap(Class1 o1, Class1 o2)

{

　　　Class1 temp=o1;

　　　o1 = o2;

o2 = temp;

　}

}

- a. Compilation Error

- b. Runtime Error

- c. 10,20 ✔

- d. 20,10

Your answer is correct.

The correct answer is:
10,20

Question 3

Correct

Mark 1.00 out of 1.00

What would be the output of the following code snippet?

```
public static void Main()
    {
try
        {
inti = 100, j = 0;
i /= j;
Console.Write(i);
        }
catch (SystemException ex)
        {
Console.WriteLine("SystemException");
        }
catch (DivideByZeroException ex)
        {
Console.WriteLine("DivideByZeroException");
        }
catch (Exception ex)
        {
Console.WriteLine("Exception");
        }
    }
```

- ○ a. SystemException

- ○ b. DivideByZeroException

- ○ c. Exception

- ◉ d. Code will not compile ✔

Your answer is correct.

The correct answer is:

Code will not compile

Question 4

Incorrect

Mark 0.00 out of 1.00

Give the output of the following code snippet?

int [, ,] arr = new int [5,3,4];

Console.Write(arr.Rank + ",");

Console.Write(arr.GetLength(1));

   ○ a. 3,5✖

   ○ b. 2,5

   ○ c. 3,3

   ○ d. 3,4

Your answer is incorrect.

The correct answer is:
3,3

Question 5

Incorrect

Mark 0.00 out of 1.00

All models in ASP.NET MVC inherit from the following class?

   ○ a. Controller ✖

   ○ b. View

   ○ c. Object

   ○ d. Model

The correct answer is: Object

Question 6

Correct

Mark 1.00 out of 1.00

An interface can be explicitly implemented using the following syntax?

   ○ a. public class MyClass : IMyInterface { public void IMyInterface:InterfaceMethod(){} }

   ○ b. public class MyClass : IMyInterface { public void InterfaceMethod : IMyInterface(){} }

   ○ c. public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }✔

   ○ d. public class MyClass : IMyInterface { public void interfaceMethod(){} }

The correct answer is: public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }

Question 7

Incorrect

Mark 0.00 out of 1.00

For Web Api, which of these methods is used to perform an update?

- a. Post
- b. Get
- c. Put ✖
- d. Delete

The correct answer is: Post

Question 8

Correct

Mark 1.00 out of 1.00

How do you ensure that a user must be logged in to call a particular Action method?

- a. [AllowAnonymous]
- b. [Authenticate]
- c. [Authorize] ✔
- d. [NoAction]

The correct answer is: [Authorize]

Question 9

Correct

Mark 1.00 out of 1.00

In ASP.NET MVC CORE, what is the syntax to store a string in a session variable?

- a. HttpContext.Session.SetInt32("key", "Hello");
- b. HttpContext.Session.SetString("key", "Hello"); ✔
- c. Session["key"] = "Hello";
- d. HttpContext.Session.Set("key", "Hello");

The correct answer is: HttpContext.Session.SetString("key", "Hello");

Question 10

Correct

Mark 1.00 out of 1.00

In ASP.NET MVC, bundling and minification can be turned on by doing the following in the compilation section in web.config?

- ○ a. Set minification = True
- ○ b. Set debug = True
- ○ c. Set bundling = True
- ◉ d. Set debug = False ✔

The correct answer is: Set debug = False

Question 11

Correct

Mark 1.00 out of 1.00

In Reflection, the following class is used to represent the details of a Class?

- ○ a. Class
- ○ b. Object
- ○ c. ReferenceType
- ◉ d. Type ✔

The correct answer is: Type

Question 12

Incorrect

Mark 0.00 out of 1.00

In the following Entity Framework technique, the class is written first and the database generated from the classes?

- ○ a. DbFirst
- ○ b. EntityFirst
- ◉ c. ModelFirst ✘
- ○ d. CodeFirst

The correct answer is: CodeFirst

Question 13

Correct

Mark 1.00 out of 1.00

JIT compilation converts application run time from?

- a. IL to Native code ✔
- b. Source code to IL Code
- c. Source code to Byte Code
- d. IL to Assembly code

The correct answer is: IL to Native code

Question 14

Correct

Mark 1.00 out of 1.00

The .Net equivalent of a float in CSharp is?

- a. System.Single ✔
- b. System.Decimal
- c. System.Double
- d. System.Float

The correct answer is: System.Single

Question 15

Correct

Mark 1.00 out of 1.00

The Garbage Collector runs in the following situation?

- a. When you set a reference variable to null
- b. When an object goes out of scope
- c. When the destructor is called
- d. When the system has low physical memory ✔

The correct answer is: When the system has low physical memory

Question 16

Correct

Mark 1.00 out of 1.00

To asynchronously call a method which takes a string parameter and does not have a return value using a delegate, the correct syntax would be ?

○ a.   DelegateObjectName("Hello");

○ b.   DelegateClassName("Hello");

◉ c.   DelegateObjectName.BeginInvoke(null,null,"Hello"); ✔

○ d.   MethodName("Hello");

The correct answer is: DelegateObjectName.BeginInvoke(null,null,"Hello");

Question 17

Correct

Mark 1.00 out of 1.00

To call a method that has a void return value, use the following inbuilt delegate?

○ a.   Predicate

◉ b.   Action ✔

○ c.   Func

○ d.   Delegate

The correct answer is: Action

Question 18

Correct

Mark 1.00 out of 1.00

To create a SqlDataReader in a function and to return the SqlDataReader from the function, ideally the SqlDataReader should be opened in the following manner?

◉ a.   SqlDataReaderdr = cmd.ExecuteReader(CommandBehavior.CloseConnection); ✔

○ b.   SqlDataReaderdr = cmd.OpenReader();

○ c.   SqlDataReaderdr = cmd.ExecuteReader();

○ d.   SqlDataReaderdr = cmd.Read();

The correct answer is: SqlDataReaderdr = cmd.ExecuteReader(CommandBehavior.CloseConnection);

Question 19

Correct

Mark 1.00 out of 1.00

To create a Task and start it immediately, we do the following?

- ○ a.   Create a Task object and pass the methodname as a parameter
- ◉ b.   Call Task.Run()✔
- ○ c.   Create a Task object and call the taskobject.Start() method
- ○ d.   Create a Task object and call the taskobject.Run() method

The correct answer is: Call Task.Run()

Question 20

Correct

Mark 1.00 out of 1.00

To iterate through a SortedList<int,string> using a foreach loop, we use the following class?

- ○ a.   SortedList<int,string>
- ◉ b.   KeyValuePair<int,string>✔
- ○ c.   DictionaryEntry
- ○ d.   var

The correct answer is: KeyValuePair<int,string>

Question 21

Correct

Mark 1.00 out of 1.00

To run a command that returns a single value use the following?

- ○ a.   Command.ExecuteReader()
- ◉ b.   Command.ExecuteScalar()✔
- ○ c.   Command.ExecuteNonQuery()
- ○ d.   Command.Single()

The correct answer is: Command.ExecuteScalar()

Question 22

Correct

Mark 1.00 out of 1.00

To use a thread already created and maintained by the CLR, we use the following class from System.Threading?

    a.   Thread

    b.   ThreadStart

    c.   ParameterizedThreadStart

    d.   ThreadPool✔

The correct answer is: ThreadPool

Question 23

Correct

Mark 1.00 out of 1.00

What does ICollection<T> directly inherit from?

    a.   IList<T>

    b.   ICollection

    c.   Object

    d.   IEnumerable<T>✔

The correct answer is: IEnumerable<T>

Question 24

Correct

Mark 1.00 out of 1.00

What is a common set of rules that all .net languages must follow?

    a.   MSIL

    b.   IL

    c.   App Domains

    d.   CLS✔

The correct answer is: CLS

Question 25

Incorrect

Mark 0.00 out of 1.00

When is the static constructor called?

- ○ a.   When the Main() function is run
- ○ b.   When any object of the class is created
- ◉ c.   When the Assembly is loaded in memory ✖
- ○ d.   When the class is loaded into memory

The correct answer is: When the class is loaded into memory

Question 26

Correct

Mark 1.00 out of 1.00

Which command given at the command line is used to register an assembly as a shared assembly?

- ○ a.   InstallUtil
- ◉ b.   GacUtil ✔
- ○ c.   AssemblyUtil
- ○ d.   SharedUtil

The correct answer is: GacUtil

Question 27

Correct

Mark 1.00 out of 1.00

Which does the FileMode.CreateNew do while opening a file?

- ◉ a.   Throws an exception if file already present. Creates a new file if file not present ✔
- ○ b.   Overwrites a file if file already present. Throws an exception if file not present
- ○ c.   Overwrites a file if file already present. Creates a new file if file not present
- ○ d.   Adds to a file if file already present. Creates a new file if file not present

The correct answer is: Throws an exception if file already present. Creates a new file if file not present

Question 28

Incorrect

Mark 0.00 out of 1.00

Which of the following is correct syntax for a property accessor?

- ○ a. public int P1{ private get{...} private set{...} } ✗
- ○ b. protected int P1{ private get{...} set{...} }
- ○ c. protected int P1{ public get{...} set{...} }
- ○ d. private int P1{ public get{...} set{...} }

The correct answer is: protected int P1{ private get{...} set{...} }

Question 29

Correct

Mark 1.00 out of 1.00

Which of the following statements is false?

- ○ a. An abstract method must exist in an abstract class
- ○ b. An abstract class need not have an abstract method
- ○ c. All abstract methods are late bound
- ○ d. An abstract method can be implemented in the derived class by using the 'implements' keyword ✔

The correct answer is: An abstract method can be implemented in the derived class by using the 'implements' keyword

Question 30

Correct

Mark 1.00 out of 1.00

Which of the following statements is False?

- ○ a. A SqlCommand requires an open connection
- ○ b. A SqlTransaction requires an open connection
- ○ c. A SqlDataReader requires an open connection
- ○ d. A DataSet requires an open connection ✔

The correct answer is: A DataSet requires an open connection

Question 31

Correct

Mark 1.00 out of 1.00

Which of the following statements is false?

○ a.   The derived class method must have the same signature as the base class method to override it

○ b.   Late binding occurs when you call a method that has been overridden

○ c.   The derived class method must have the override keyword to override a base class method

◉ d.   Any base class method can be overridden in the derived class ✔

The correct answer is: Any base class method can be overridden in the derived class

Question 32

Correct

Mark 1.00 out of 1.00

Which of these Data Annotations allow us to specify pattern matching?

○ a.   DisplayFormat

○ b.   DataType

◉ c.   RegularExpression ✔

○ d.   CustomValidation

The correct answer is: RegularExpression

Question 33

Correct

Mark 1.00 out of 1.00

Which of these is available from in subsequent requests for the current user only?

◉ a.   Session variable ✔

○ b.   TempData variable

○ c.   ViewData variable

○ d.   Cookie

The correct answer is: Session variable

Question 34

Incorrect

Mark 0.00 out of 1.00

Which of these is available from the Controller to the View only and not in subsequent requests or redirects?

- a.   ViewData variable
- b.   Cache variable
- c.   Session variable
- d.   TempData variable ✖

The correct answer is: ViewData variable

Question 35

Correct

Mark 1.00 out of 1.00

Which of these is not a reference type?

- a.   Interface
- b.   Delegate
- c.   Array
- d.   Enum ✔

The correct answer is: Enum

Question 36

Correct

Mark 1.00 out of 1.00

Which of these LINQ methods provides immediate execution?

- a.   var x = y.Select(…)
- b.   var x = y.AsParallel()
- c.   var x = y.ToList() ✔
- d.   var x = y.Where(…)

The correct answer is: var x = y.ToList()

Question 37

Incorrect

Mark 0.00 out of 1.00

Which of these statements is false for a struct?

○ a.   A struct can contain a property

◉ b.   A struct can contain a private member ✖

○ c.   All structs are value types

○ d.   A struct can contain a constructor with no parameters

The correct answer is: A struct can contain a constructor with no parameters

Question 38

Correct

Mark 1.00 out of 1.00

Which of these WCF bindings is used to create a REST service?

◉ a.   WebHttpBinding ✔

○ b.   RestHttpBinding

○ c.   BasicHttpBinding

○ d.   WsHttpBinding

The correct answer is: WebHttpBinding

Question 39

Correct

Mark 1.00 out of 1.00

Which of these will generate a compilation error?

○ a.   var employees = emps.Where(emp=>emp.Name.StartsWith("A"));

○ b.   var employees = emps.Select(emp=>emp.Name);

○ c.   var employees = emps.Where(emp=>emp.Name.StartsWith("A")).Select(emp=>emp.Name);

◉ d.   var employees = emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A")); ✔

The correct answer is: var employees = emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A"));

Question 40

Correct

Mark 1.00 out of 1.00

Why should you not write cleanup code in a Destructor in .Net?

○ a.   There is no Destructor in CSharp

○ b.   The statement is incorrect. You should write cleanup code in a Destructor

○ c.   There is no Destructor in .Net

◉ d.   .Net follows nondeterministic finalization✔

The correct answer is: .Net follows nondeterministic finalization