

## Question 1 of 32

What will be the output of the given code snippet?

```
class Program
{
    static void Main(string[] args)
    {
        double x = -3.14;
        int y = (int) Math.Abs(x);
        Console.WriteLine(y);
    }
}
```

- ☐ A) -3
- ☐ B) -3.0
- ☐ C) 0
- ☐ D) 3
- ☐ E) 3.0

## Question 2 of 32

Select the operators used for checking the equality in strings:

- ☐ A) <=
- ☐ B) ==
- ☐ C) >=
- ☐ D) !=

### Question 3 of 32

How do you initiate a string without escaping each backslash?

- ☐ A) String ex = "#This has a carriage return\r\n"
- ☐ B) String ex = "@This has a carriage return\r\n"
- ☐ C) String ex = #"This has a carriage return\r\n"
- ☐ D) String ex = @"This has a carriage return\r\n"

### Question 4 of 32

Select the output for the following set of code:

```
static void Main(string[] args)
{
    float i = 1.0f, j = 0.05f;
    while (i < 2.0f && j <= 2.0f)
    {
        Console.WriteLine(i++ - ++j);
    }
    Console.ReadLine();
}
```

- ☐ A) 0.05f
- ☐ B) 1.50f
- ☐ C) -0.04999995f
- ☐ D) 1.50f

## Question 5 of 32

Which of these methods of the class String is used to obtain length of String object?

- ☐ A) Get()
- ☐ B) SizeOf()
- ☐ C) LengthOf()
- ☐ D) Length()

## Question 6 of 32

What will be the correct output for the given code snippet?

```
class MyClass
{
    int MyFunc(int n)
    {
        int result;
        if (n == 1)
            return 1;
        result = MyFunc(n - 1) * n;
        return result;
    }
}

class Program
{
    public static void main(String args[])
    {
        MyClass obj = new MyClass();
        Console.WriteLine(obj.MyFunc(4));
    }
}
```

- ☐ A) 24
- ☐ B) 30
- ☐ C) 120
- ☐ D) 144

## Question 7 of 32

Which are data types in C#?

- ☐ A) ushort
- ☐ B) ulong
- ☐ C) uint
- ☐ D) ustring

## Question 8 of 32

Which are Access Modifiers available in C#?

- ☐ A) public
- ☐ B) static
- ☐ C) private
- ☐ D) unprotected
- ☐ E) protected

## Question 9 of 32

What is PLINQ?

- ☐ A) Polymorphism Linking Query
- ☐ B) Polymorphism Language Integrated Query
- ☐ C) Parallel Language Integrated Query
- ☐ D) Parallel Linking Query

## Question 10 of 32

The keyword int corresponds to which .NET Type?

- ☐ A) System.Int16
- ☐ B) System.Int32
- ☐ C) System.Int64
- ☐ D) System.Int128

## Question 11 of 32

Which is/are not an implementation of LINQ?

- ☐ A) LINQ to HTML
- ☐ B) LINQ to XML
- ☐ C) LINQ to SQL
- ☐ D) LINQ to Data
- ☐ E) LINQ to Objects

## Question 12 of 32

Which design pattern is presented in the code below?

```
public class A {  
  
    private static A instance;  
  
    private A() {  
  
    }  
  
    public static A Instance {  
  
        get  
  
        {  
  
            if (instance == null)  
  
                instance = new A();  
  
            return instance;  
  
        }  
  
    }  
  
}
```

- ☐ A) Factory
- ☐ B) Abstract Factory
- ☐ C) Singleton
- ☐ D) Builder

## Question 13 of 32

Which of the following is/are a valid .NET Exception?

- ☐ A) ArgumentException.
- ☐ B) NullArgumentException.
- ☐ C) StackOverflowException.
- ☐ D) StackOverdueException.
- ☐ E) FatalUndandledException.
- ☐ F) None of the above answers.

## Question 14 of 32

A class can be marked as: not overridable by using the keyword:

- ☐ A) Final
- ☐ B) Extends
- ☐ C) Inheritable
- ☐ D) Uninheritable
- ☐ E) Sealed

## Question 15 of 32

Which are .NET value types ?

- ☐ A) Integer
- ☐ B) Array
- ☐ C) Single
- ☐ D) String
- ☐ E) Long

## Question 16 of 32

Which statements are true?

- ☐ A) A class can be generic, but an interface cannot.
- ☐ B) Generic delegates are not allowed in C#.
- ☐ C) Generic can be used for data structures (List, Queue etc.).
- ☐ D) None of the above statements.

## Question 17 of 32

What does this code return?

```
String s1 = "ALL MEN ARE CREATED EQUAL";
```

```
String s2;
```

```
s2 = s1.Substring(12, 3);
```

```
Console.WriteLine(s2);
```

- ☐ A) CRE
- ☐ B) ARE
- ☐ C) CR
- ☐ D) REA
- ☐ E) CREATED

## Question 18 of 32

Which statements are correct about the keyword "using"?

- ☐ A) "using" statement calls - "Dispose()" method internally.
- ☐ B) "using" can be used for importing namespace.
- ☐ C) in "Using" statement objects are read only.
- ☐ D) All of the above.
- ☐ E) None of the above.

## Question 19 of 32

Which are collection types in C#?

- ☐ A) AList
- ☐ B) ArrayList
- ☐ C) HashTag
- ☐ D) TableHash
- ☐ E) HashTable
- ☐ F) HashMap

## Question 20 of 32

What is the output of the program below?

```
class Program {  
  
    private static string result;  
  
    static void Main() {  
  
        SaySomething();  
  
        Console.WriteLine(result);  
  
    }  
  
    static async Task<string> SaySomething() {  
  
        await Task.Delay(5);  
  
        result = "Hello world!";  
  
        return "Something";  
  
    }  
}
```

- ☐ A) Hello world.
- ☐ B) Something
- ☐ C) ""
- ☐ D) This program throws an exception.



## Question 21 of 32

Which of the following statements is/are true?

- ☐ A) An abstract class use constructor while in an interface we don't have any type of constructor.
- ☐ B) An abstract class can have non-abstract methods.
- ☐ C) A class can implement any number of interfaces and abstract classes.
- ☐ D) In an abstract class all data member or functions are private by default while in interface all are public, we can't change them manually.

## Question 22 of 32

What is the output of the program below in C# 4.0?

```
delegate void Printer();

static void Main()

{

    List printers = new List();

    for (int i = 0; i < 10; i++)

    {

        printers.Add(delegate { Console.WriteLine(i); });

    }

    foreach (var printer in printers)

    {

        printer();

    }

}
```

- ☐ A) Number 10 ten times.
- ☐ B) Numbers from 1 to 10.
- ☐ C) Numbers from 10 to 1.

## Question 23 of 32

Which is/are not ADO.NET execute methods?

- ☐ A) ExecuteScalar
- ☐ B) ExecuteQuery
- ☐ C) ExecuteNonQuery
- ☐ D) ExecuteWriter
- ☐ E) ExecuteReader

## Question 24 of 32

What are the different Data Binding Modes available in WPF?

- ☐ A) OneWay
- ☐ B) TwoWay
- ☐ C) ThreeWay
- ☐ D) OneWayToSource
- ☐ E) TwoWayToSource
- ☐ F) OneTime
- ☐ G) TwoTime

## Question 25 of 32

Which is not the correct contract supported by WCF?

- ☐ A) SecurityContract
- ☐ B) DataContract
- ☐ C) MessageContract
- ☐ D) FaultContract

## Question 26 of 32

Which of the following jobs are NOT performed by Garbage Collector?

- ☐ A) Freeing memory on the stack.
- ☐ B) Avoiding memory leaks.
- ☐ C) Freeing memory occupied by unreferenced objects.
- ☐ D) Closing unclosed database collections.
- ☐ E) Closing unclosed files.

## Question 27 of 32

Which of the following unary operators can be overloaded?

- ☐ A) True
- ☐ B) False
- ☐ C) +
- ☐ D) New
- ☐ E) Is

## Question 28 of 32

Which of the following is an ordered collection class?

- ☐ A) Map
- ☐ B) Stack
- ☐ C) Queue
- ☐ D) BitArray
- ☐ E) HashTable

## Question 29 of 32

Which of the following statements is correct about properties used in C#.NET?

- ☐ A) Every property must have a set Accessor and a get Accessor.
- ☐ B) Properties cannot be overloaded.
- ☐ C) Properties of a class are actually methods that work like data members.
- ☐ D) A property has to be either read only or a write only.

## Question 30 of 32

Which statements are true about Dependency Injection?

- ☐ A) It allows us to develop very loosely coupled systems.
- ☐ B) It allows us to avoid memory leaks.
- ☐ C) It helps resolving deadlocks.
- ☐ D) It allows objects to be mocked within the Unit Tests.

**Question 31 of 32****SQL**

Given a table of Employers (Id primary Key, Name)

Given a table of Employees (Id primary Key, Title, Employer Id foreign Key)

Write a SQL query that gives the name of Employers which none of their Employees has: Title = 'C# Developer', sorted alphabetically.

[Show word count](#) ▼**Question 32 of 32****C# code**

Write C# code to create the multiplication operation given 2 numbers without using the star keyword: '\*' as follow:

- a) A recursive algorithm
- b) An iterative algorithm

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