DotNet

1. Which of the following are valid .NET CLR JIT performance counters?
 1.Total memory used for JIT compilation
 2.Average memory used for JIT compilation
 3.Number of methods that failed to compile with the standard JIT
 4.Percentage of processor time spent performing JIT compilation
 5.Percentage of memory currently dedicated for JIT compilation

Answers

1. A. 1, 5
2. B. 3, 4
3. C. 1, 2
4. D. 4, 5

2. Which of the following .NET components can be used to remove unused references from the managed heap?

Answers

1. Common Language Infrastructure
2. CLR
3. Garbage Collector
4. Class Loader
5. CTS

3. There are the following Jobs given below, which of them are done by Common Language Runtime?
 1. CLR provides garbage collection.

 2. CLR enforces type safety strictly.

 3. CLR provides memory and thread management.

 4. CLR provides Code Access Security.

Answers

1. A. A, B
2. B. C, D
3. C. All (A, B, C, D)
4. D. None of these

4. There are the following assemblies given below, which of them can be stored in GAC (Global Assembly Cache)?

Answers

1. A. Public Assembly
2. B. Private Assembly
3. C. Protected Assembly
4. D. Shared Assembly
5. E. Friend Assembly

5. Which of the following statements is correct about Managed Code?

Answers

1. A. Managed code is the code that is compiled by the JIT compilers
2. B. Managed code is the code where resources are Garbage Collected.
3. C. Managed code is the code that runs on top of Windows.
4. D. Managed code is the code that is written to target the services of the CLR.

6. Which of the following statements is correct?

Answers

1. A constructor can be used to set default values and limit instantiation.
2. Destructors are used with classes as well as structures.
3. A class can have more than one destructor.
4. All of the above.

7. How many times can a constructor be called during lifetime of the object?

Answers

1. As many times as we call it.
2. Only once.
3. Depends upon a Project Setting made in Visual Studio.NET.
4. Any number of times before the object gets garbage collected.

8. The variables in _____access means they are accessible only from within their declaration context, including any nested procedures.

Answers

1. A. Protected
2. B. Friend
3. C. Protected Friend
4. D. Private

9. Boxing converts a value type on the stack to an _____ on the heap.

Answers

1. A. Bool type
2. B. Instance type
3. C. Class type
4. D. Object type

10. C# has _____ operator, useful for making two way decisions.

Answers

1. A. Looping
2. B. Functional
3. C. Exponential
4. D. Conditional

11. We use _____ to fully abstract a class from its implimentation.

Answers

1. A. Interfaces
2. B. Objects
3. C. Packages
4. D. Function Definitions

12. What is the full form of LINQ?
Answers

1. A. Local Integration Query
2. B. Language Integrated Query
3. C. Language Included Query
4. D. None of the above

13. The default scope for the members of an interface is _____.
Answers

1. A. private
2. B. public
3. C. protected
4. D. internal

14. Which among the given classes is present in System.Collection.Generic namespace?
Answers

1. A. Stack
2. B. Tree
3. C. Sorted Array
4. D. All of the mentioned

15. ......represents the ordered collection of an object that can be indexed individually.
Answers

1. A. ArrayList
2. B. BitArray
3. C. Stack
4. D. SortedList

16. The … method removes the element with the specified key from the Hashtable.
Answers

1. A. public virtual void Remove();
2. B. public virtual void Remove(object key);
3. C. public virtual void Clear(object key);
4. D. public virtual void Delete(object key);

17. To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?
Answers

1. A. namespace
2. B .interface
3. C. delegate
4. D. attribute

18. What is the value returned by function compareTo( ) if the invoking string is less than the string compared?
Answers

1. A. Zero
2. B. A value of less than zero

3. C. A value greater than zero
4. D. None of the mentioned

19. Choose the incorrect statement about delegates?
Answers

1. A. delegates are not type safe
2. B. delegates can be used to implement callback notification
3. C. delegate is a user defined type
4. D. delegates permits execution of a method in an asynchronous manner

20. Which of the following is NOT an Arithmetic operator in C#.NET?
Answers

1. A. **
2. B. /
3. C. +
4. D. %

21. The exception classes in C# are mainly directly or indirectly derived from the ___?
Answers

1. A. System.Exception class
2. B. Exception class
3. C. System.ApplicationException class
4. D. ApplicationException class

22. Which of the following should never be thrown from code?
Answers

1. A. Predefined Exception
2. B. ApplicationException
3. C. Custom Exception
4. D. All of the above

23. Assume 2 columns named as Product and Category how can be both sorted out based on first by category and then by product name?
Answers

1. A. var sortedProds = _db.Products.Orderby(c => c.Category)
2. B. var sortedProds = _db.Products.Orderby(c => c.Category) + ThenBy(n => n.Name)
3. C. var sortedProds = _db.Products.Orderby(c => c.Category) . ThenBy(n => n.Name)
4. D. all of the mentioned

24. Choose the wrong statement about the LINQ?
Answers

1. A. The main concept behind the linq is query
2. B. linq makes use of foreach loop to execute the query
3. C. It is not required that linq should make use of IEnumerable interface
4. D. None of the mentioned

25. Which feature enables to obtain information about the use and capabilities of types at runtime?

Answers

1. A. Runtime type ID
2. B. Reflection
3. C. Attributes
4. D. None of the mentioned

26. What does the following property signify?

MemberTypes MemberType

Answers

1. A. Helps in distinguishing kinds of members
2. B. Property helps in determining if member is a field, method, property or event
3. C. Both a & b
4. D. None of the mentioned

28. What are the methods used in thread class?

Answers

1. A. Join
2. B. Resume
3. C. sleep
4. D. SpinWait
5. E. ALL OF THE ABOVE

29. Which Namespaces are required to Data Annotation using MVC?

Answers

1. A. System.ComponentModel.DataAnnotations
2. B. System.ComponentModel
3. C. Both A and B
4. D. None of these

30. Choose the return types of a controller action method?

Answers

1. A. ViewResult
2. B. JavaScriptResult
3. C. RedirectResult
4. D. All of the above

31. Can we do validation in MVC using data annotations?

Answers

1. A. Yes
2. B. No

32. What is true about viewbag in mvc?

Answers

1. A. It is used to transfer temporary data from the controller to the view.
2. B. ViewBag only transfers data from controller to view
3. C. ViewBag values will be null if redirection occurs.
4. D. All of the above

33. What is RouteConfig.cs in ASP.Net MVC?

Answers

1. A. RouteConfig.cs is used to register MVC config statements, route config.
2. B. RouteConfig.css is used to register global MVC bundles.
3. C. None
4. D. ALL OF THE ABOVE

34. What is FilterConfig.cs in ASP.Net MVC ?

Answers

1. A. FilterConfig.cs is used to register global MVC filters, HandleErrorAttribute is registered by default filter. We can also register other filters.
2. B. FilterConfig.cs is used to register global MVC bundles.
3. C. None
4. D. All

35. Which attribute is used to define a service class in WCF?

Answers

1. A. Service
2. B. WCFService
3. C. ServiceContract
4. D. None of the above

36. WCF is a part of .Net Framework

Answers

1. A. 1.0
2. B. 2.0
3. C. 2.5
4. D. 3.0 and above

37. WCF protocol used to support platform independent communication

Answers

1. A. REST
2. B. HTTP
3. C. SOAP
4. D. None of the Above

38. Entity Framework is an open-source Object-Relational Mapper (ORM)

Answers

1. A. TRUE
2. B. FALSE

39. Which object contains the Position property of the current record in a dataset?

Answers

1. A. BindingContext
2. B. BindingData
3. C. DataBinding
4. D. DataBound

40. What are the Command Object Methods?

Answers

1. A. ExecuteNonQuery
2. B. ExecuteReader
3. C. ExecuteScalar
4. D. All of the above.