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| 1)  . Which of the following statements are TRUE about the .NET CLR?  1. It provides a language-neutral development & execution environment.  2. It ensures that an application would not be able to access memory that it is not authorized to access.  3. It provides services to run "managed" applications.  4. The resources are garbage collected.  5. It provides services to run "unmanaged" applications.    A.Only 1 and 2  B.Only 1, 2 and 4  C.1, 2, 3, 4  D.Only 4 and 5  Option C  2  Which of the following statements is correct about Managed Code?  A.Managed code is the code that is compiled by the JIT compilers.  B. Managed code is the code where resources are Garbage Collected.  C. Managed code is the code that runs on top of Windows.  D. Managed code is the code that is written to target the services of the CLR.    Option D  3  Which of the following utilities can be used to compile managed assemblies into processor-specific native code?  A. gacutil  B. ngen  C. sn  D. ildasm    Option B  4  . Which of the following are NOT true about .NET Framework?  1. It provides a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.  2. It provides a code-execution environment that minimizes software deployment and versioning conflicts.  3. It provides a code-execution environment that promotes safe execution of code, including code created by an unknown or semi-trusted third party.  4. It provides different programming models for Windows-based applications and Web-based applications.  5. It provides an event driven programming model for building Windows Device Drivers.    A. 1, 2  B. 2, 4  C. 4, 5  D. 1, 2, 4    Option C    5  Code that targets the Common Language Runtime is known as  A. Unmanaged  B. Distributed  C. Legacy  D. Managed Code    Answer : D  6. What is need of Conversion of data type in C#?  a) To store a value of one data type into a variable of another data type  b) To get desired data  c) To prevent situations of run time error during change or conversion of data type  d) None of the mentioned  Answer: c  7. Types of Data Conversion in C#?  a) Implicit Conversion  b) Explicit Conversion  c) Implicit Conversion and Explicit Conversion  d) None of the mentioned  Answer: b  8.Implicit Conversion follows the order of conversion as per compatibility of  datatype as :  a) float > char > int  b) char > int > float  c) int > char > float  d) float > int > char  Answer: b  9. Subset of int datatype is :  a) long ,ulong, ushort  b) long, ulong, uint  c) long, float, double  d) long, float, ushort  Answer: c  10. Type of Conversion in which compiler is unable to convert the datatype implicitly  is ?  a) ushort to long  b) int to uint  c) ushort to long  d) byte to decimal  Answer:b  11. Explicit Conversion disadvantages are ?  a) Makes program memory heavier  b) Results in loss of data  c) Potentially Unsafe  d) None of the mentioned  Answer: b, c  12. Which refrence modifier is used to define reference variable?  a) &  b) ref  c) #  d) $  Answer :b.  13. What is output for following set of expression?  int a+= (float) b/= (long)c.  a) float  b) int  c) long  d) None of the mentioned  Answer :b  14. Select correct statement about ref keyword in C#?  a) References can be called recursively  b) The ref keyword causes arguements to be passed by reference  c) When ref are used any changes made to parameters in method will be  refelected in variable when control passed back to calling method  d) All of above mentioned  Answer: b ,c  15. Select correct difference between = and == in C#.  a) == operator used to assign values from one variable to another variable  = operator used to compare value between two variables  b) = operator used to assign values from one variable to another variable  == operator used to compare value between two variables  c) No difference between both operators  d) None of the mentioned  Answer :b.  16. Select which is used to define the member of a class externally?  a) :  b) ::  c) #  d) none of the mentioned  Answer: b  17. The operator used to access member function of a class?  a) :  b) ::  c) .  d) #  Answer: c  18. What is most specified using class declaration ?  a) type  b) scope  c) type & scope  d) None of mentioned  Answer: c  19. Which of following statements about objects in C# is correct?  a) Everything you use in C# is an object, including Windows Forms and controls  b) Objects have methods and events that allow them to perform actions  c) All objects created from a class will occupy equal number of bytes in memory  d) None of the mentioned  Answer: a, b, c  20. A mechanism that binds together code and data in manipulates, and keeps both  safe from outside interference and misuse.In short it isolates a particular code and  data from all other codes and data. A well-defined interface controls the access to  that particular code and data.  a) Abstraction  b) Polymorphism  c) Inheritance  d) Encapsulation  Answer: d  21  Which of the following statements is correct about the .NET Framework?  A. .NET Framework uses DCOM for achieving language interoperability.  B. .NET Framework is built on the DCOM technology.  C. .NET Framework uses DCOM for making transition between managed and unmanaged code.  D. .NET Framework uses DCOM for creating unmanaged applications.    Answer : C    22  Which of the following are parts of the .NET Framework?  1. The Common Language Runtime (CLR)  2. The Framework Class Libraries (FCL)  3. Microsoft Published Web Services  4. Applications deployed on IIS    A. Only 1, 2, 3  B. Only 1, 2  C. Only 1, 2, 4  D. Only 4    Answer : B  23  Application Domain is useful when you need to unload loaded assembly.  A. Yes Always  B. No for security reasons  C. Only if assembly is in current directory  D. Only if assembly is in GAC    Answer : B    24  Which of the following is NOT a namespace in the .NET Framework Class Library?  A. System.Process  B. System.Security  C. System.Threading  D. System.Drawing  E. System.Xml  Option A    25  Which of the following statements is correct about a namespace in C#.NET?  A. Namespaces help us to control the visibility of the elements present in it.  B. A namespace can contain a class but not another namespace.  C. If not mentioned, then the name 'root' gets assigned to the namespace.  D. It is necessary to use the using statement to be able to use an element of a namespace.    Option A    26. Correct way of declaration of object of following class is ?  class name  a) name n = new name();  b) n = name();  c) name n = name();  d) n = new name();  Answer: a  27. The data members of a class by default are ?  a) protected,public  b) private,public  c) private  d) public  Answer: c  28. What do the following code implies ?  csharp abc;  abc = new charp();  a) Object creation on class csharp  b) Create an object of type csharp on heap or on stack depending on size of object  c) create a reference c on csharp and an object of type csharp on heap  d) create an object of type csharp on stack  Answer: c  29. How many values does a function returns?  a) 0  b) 2  c) 1  d) any number of values  Answer: c  30. Correct statement about constructors in C#.NET is ?  a) Constructor cannot be overloaded  b) Constructor allocate space for object in memory  c) Constructor are never called explicitly  d) Constructor have same name as name of the class  Answer: d, c  31. Can the method add() be overloaded in the following ways in C#?  public int add() { }  public float add(){ }  a) True  b) False  c) None of the mentioned.  Answer: b  32. Which of the following statements is correct about constructors in C#.NET?  a) A constructor cannot be declared as private  b) A constructor cannot be overloaded  c) A constructor can be a static constructor  d) None of the mentioned  Answer: c  33. What is return type of constructors?  a) int  b) float  c) void  d) None of the mentioned  Answer: d  34. Which of the following statements are correct?  a) There is one garbage collector per program running in memory  b) There is one common garbage collector for all programs  c) To garbage collector an object set all references to it to null  d) We have to specify run the garbage collector after executing VISUAL STUDIO.NET  Answer :b, c.  35. Operator used to free the memory when memory is allocated ?  a) new  b) free  c) delete  d) None of the mentioned  Answer :c  36  //Which of the following is absolutely neccessary to use a class Point present in namespace Graph stored in library?  A. Use fully qualified name of the Point class.  B. Use using statement before using the Point class.  C. Add Reference of the library before using the Point class.  D. Use using statement before using the Point class.  .  Option C  37  Which of the followings are NOT a .NET namespace?  1. System.Web  2. System.Process  3. System.Data  4. System.Drawing2D  5. System.Drawing3D    A. 1, 3  B. 2, 4, 5  C. 3, 5  D. 1, 2, 3    Option B  38  Which of the following statements is correct about a namespace used in  C#.NET?  A. Nested namespaces are not allowed.  B. Importing outer namespace imports inner namespace.  C. Nested namespaces are allowed.  D. If nested, the namespaces cannot be split across files.    Option C  39  Which of the following is an 8-byte Integer?  A.Char  B. Long  C. Short  D. Byte  Option B    40  Which of the following statements is correct?  A. Information is never lost during narrowing conversions.  B. The CInteger() function can be used to convert a Single to an Integer.  C. Widening conversions take place automatically.  D. Assigning an Integer to an Object type is known as Unboxing.    Option C  41. Accessibility modifier defined in a class are?  a) public, private, protected  b) public, internal, protected internal.  c) public, private, internal, protected internal.  d) public, private, protected, internal, protected internal  Answer :d  42. Choose statements which are true in nature:  a) The base class member functions can access public member functions of derived  class  b) An object of a derived class cannot access private member of the base class  c) Private members of base class cannot accessed by derived class member functions or objects of derived class  d) None of the mentioned  Answer : b, c  43. Which of these access specifiers must be used for main() method?  a) private  b) public  c) protected  d) None of the mentioned  Answer :b  44. Keyword used to define call by reference paramter in C# .NET?  a) &  b) out  c) ref  d) &&  Answer :c  45. Which statement is/are correct?  a) An arguement passed to a ref parameter need not to be intialized first  b) variables passed as out arguments need to be intialized prior to being passed  c) to use a ref parameter only the calling method must explicitly use the ref keyword  d) None of the mentioned  Answer :d  46. Which of the following statements is incorrect about delegate?  A. Delegates are reference types.  B. Delegates are object oriented.  C. Delegates are type-safe.  D. Only one method can be called using a delegate.    Option D  47. The declaration of a delegate must match the signature of the method that we intend to call using it.  5. Functions called using delegates are always late-bound.    A. 1 and 2 only  B. 1, 2 and 3 only  C. 2, 3 and 4 only  D. None of the above  Option D  48. Which of the following statements are correct about delegates?  1. Delegates are not type-safe.  2. Delegate is a user-defined type.  3. Only one method can be bound with one delegate object.  4. Delegates can be used to implement callback notification.  49. Delegates permit execution of a method on a secondary thread in an asynchronous manner.    A. 1 and 2 only  B. 1, 2 and 3 only  C. 2, 4 and 5 only  D. All of the above  Option C  50. Choose correct statement which support facts that why C# doesnot allow creation of empty structures?  a) C#.NET supports creation of abstract user-defined data types using structures  b) By having empty structures,it would mean that the new data types has no data associated with which do not make any sense in C#.NET  c) Basic reason to create structures is inability to represent real life objects using standard data types offered by the language  d) All of the above mentioned  Answer: d  51. Choose correct statement about structures why they are defined as value types but not reference typeS?  a) Since space required for structure variables is allocated on stack which is a  form of memory that is automatically available when a variable to be used is in scope.  b) Structures generally used to represent user defined data types that consists of small amount of data in them hence using stack for deceleration of such variables is not problem.  c) All of the mentioned  d) None of the mentioned  Answer: c  52. Choose correct statement about structures in C#.NET?  a) Structures can be declared within a procedure  b) Structs can implement an interface but they cannot inherit from another struct  c) Struct members cannot be declared as protected  d) A structure can be empty  Answer: b, c  53. When does structure variable get destroyed?  a) When no reference refers to it,it will get garbage collected  b) Depends on either it is created using new or without new operator  c) As variable goes out of the scope  d) Depends on either we free itâ€™s memory using free() or delete()  Answer: c  54. Select correct statements among the following?  a) A struct can contain properties  b) A struct can contain constructors  c) A struct can contain protected data members  d) A struct cannot contain constants  Answer: a, b  55. Choose correct statements about enum used in C#.NET?  a) An enum variable cannot have a private access modifier  b) An enum variable can be defined inside a class or a namespace  c) An enum variable cannot have a protected access modifier  d) An enum variable cannot have a public access modifier  Answer: c  56. Which among the following cannot be used as a datatype for an enum in C#.NET?  a) short  b) double  c) int  d) float  Answer: d, b  57. Correct statement about enum used in C#.NET is?  a) An enum can be declared inside a class  b) An object can be assigned to an enum variable  c) An enum can be declared outside a class  d) An enum can have Single, Double values  Answer: a, c  58. Choose correct statement about enum used in C#.NET ?  a) By default the first enumerator had a value equals to number of elements present in the list  b) Values of enum elements cannot be populated from database  c) The value of each successive enumerator is decreased by 1  d) An enumerator had white space in its name  Answer: b  59. Choose the correct differences which diferent enum from C#.NET than enum in C  language?  a) C is a stricly typed language also C#.NET is a strictly typed language  b) In C language variables of enum types can be used interchangeably with integers using type casts while enum variables cannot be used as a normal integers  c) C is not a strictly typed language while C#.NET is a strictly typed language  d) All of the mentioned  Answer: b, c  60. A type of class which does not have its own objects but acts as a base class for its subclass is known as?  a) Static class  b) Sealed class  c) Abstract class  d) None of the mentioned  Answer :c  61. If a class inheriting an abstract class does not define all of its function then it will be known as?  a) abstract  b) A simple class  c) Static class  d) None of the mentioned  Answer :a  62. Which of the following modifier is used when an abstract method is redefined by a derived class?  a) Overloads  b) Override  c) Base  d) Virtual  Answer :b  63. Choose the correct statements about write-only properties in C#.NET?  a) Properties which can only be set  b) Properties once set and hence values cannot be read back in nature  c) Useful for usage in classes which store sensitive information like password of a  user  d) None of the above mentioned  Answer: a, b, c  64. Consider a class maths and we had a property called as sum. b is a reference to a  maths object and we want the statement b.sum = 10 to fail. Which is the correct  solution to ensure this functionality?  a) Declare sum property with both get and set accessors  b) Declare sum property with only get accessor  c) Declare sum property with get, set and normal accessors  d) None of the mentioned  Answer: c  65. Consider a class maths and we had a property called as sum. b is a reference to a  maths object and we want the statement Console.WriteLine(b.sum)to fail.Which is the  correct solution to ensure this functionality?  a) Declare sum property with only get accessor  b) Declare sum property with only set accessor  c) Declare sum property with both set and get accessor  d) Declare sum property with both set, get and normal accessor  Answer: b  66. Select the correct statement about properties in C#.NET?  a) A property can simultaneously be read or write only  b) A property can be either read only or write only  c) A write only property will have only get accessor  d) A read only property will have only get accessor  Answer: b, d  67. Select the type of multitasking methods exists really:  a) process based  b) thread based  c) only a  d) Both a & b  Answer: d  68. Choose the correct statement about process-based multitasking:  a) feature that allows our computer to run two or more programs concurrently  b) program acts as a small unit of code that can be dispatched by the scheduler  c) Only b  d) Both a & b  Answer: d  69. Choose the statements which differs the thread based multitasking and process  based multitasking from each other:  a) Process-based multitasking handles the concurrent execution of programs  b) Process-based multitasking handles the concurrent execution of pieces of the  same program  c) Thread-based multitasking handles the concurrent execution of programs  d) Thread-based multitasking deals with the concurrent execution of pieces of the  same program  Answer: a, d  70. What is the advantage of the multithreading programs?  a) Enables to utilize the idle and executing time present in most programs  b) Enables to utilize the idle time present in most programs  c) Both a & b  d) Only b  Answer: d  71. Select the two type of threads mentioned in the concept of multithreading:  a) foreground  b) background  c) only a  d) Both a & b  Answer: d  72. Number of threads exists there for each of the processes that occures in the  program:  a) atmost 1  b) atleast 1  c) only 1  d) Both b & c  Answer: a, c  73. Choose the namespace which supports the multithreading programming:  a) System.net  b) System.Linq  c) System.Threading  d) All of the mentioned  Answer: c  74. Which of these keywords are used to implement synchronization?  a) synchronize  b) syn  c) synch  d) synchronized  Answer: d  75. Which keyword is used for using the synchronization features defined by the Monitor class?  a) lock  b) synchronized  c) Monitor  d) locked  Answer: a  76. What is synchronization in reference to a thread?  a) Its a process of handling situations when two or more threads need access to a shared resource.  b) Its a process by which many thread are able to access same shared resource  simultaneously  c) Its a process by which a method is able to access many different threads  simultaneously  d) Its a method that allow to many threads to access any information the require  Answer: a  77. Which method is called when a thread is blocked from running temporarily?  a) Pulse()  b) PulseAll()  c) Wait()  d) Both b & c  Answer: c  78. What kind of exception is being thrown if Wait(),Pulse() or PulseAll() iscalled  from code that is not within synchronized code?  a) System I/O Exception  b) DivideByZero Exception  c) SynchronizationLockException  d) All of the mentioned  Answer: c  79. What is mutex?  a) a mutually exclusive synchronization object  b) can be acquired by more than one thread at a time  c) helps in sharing of resource which can be used by one thread at only one a time  d) All of the mentioned  Answer: a, c  80 ADO.NET provides the ability to create and process in-memory databases called:  A. views  B. relations  C. tables  D. datasets.    answer : D    81 What are major difference between classic ADO and ADO.NET?  A. In ADO we have recordset and in ADO.NET we have dataset.  B. In recordset we can only have one table. If we want to accommodate more than one tables. We need to do inner join and fill the recordset. Dataset can have multiple tables.  C. All data persist in XML as compared to classic ADO where data persisted in Binary format also.  D. All of the above    answer : D    82  BindingContext, CurrencyManager and PropertyManager are the classes of ----- namespace.  A. System.Object  B. System.Data  C. System.Windows.Forms  D. System.Windows  answer : D  83 The DataBindings property is an instance of ---------  A. ControlCollection  B. CurrencyManager  C. ControlBindingsCollection  D. Control  answer : C  84 Under ADO.NET \_\_\_\_\_\_\_\_ object is used to populate DataSets  A. DataReader  B. DataAdapter  C. Command  D. None of the above  answer : B    85 Which methods provided by the dataset object to generate XML in ADO.Net?  A. ReadXML  B. GetXML  C. Writexml  D. All of Above  answer : D  86 The DataSet object is a \_\_\_\_\_\_\_\_\_ storage.  A. connected  B. disconnected  C. polling  D. None  answer : B  87. Choose the namespace in which Expression trees are encapsulated:  a) System.Linq  b) System.Linq.Expressions  c) System.Text  d) System.Collections.Generic  Answer: b  88. Which of given statements are valid about generics in .NET Framework?  a) generics are useful in collection classes in .NET framework  b) generics delegates are not allowed in C#.NET  c) generics is a language feature  d) All of the mentioned  Answer: c, a  89. Correct statement valid about generic procedures in C#.NET are?  a) All procedures in a Generic class are generic  b) Generic procedures should take at least one type parameter  c) Only those procedures labeled as Generic are Generic  d) None of the mentioned  Answer: b  90. Which among the given class represents System.Collections.Generic namespace?  a) SortedDictionary  b) Sorted Array  c) Stack  d) Tree  Answer: a, c  91. Among from the following ref keyword can be used with?  a) static function/subroutine  b) static data  c) Instance function/subroutine  d) instance data  Answer: a, c  92. To implement delegates the necessary condition for implementation is?  a) class decleration  b) inheritance  c) run time polymorphism  d) exceptions  Answer: a  93. Suppose a Generic class called as SortObjects is to made capable of sorting  objects of any type(integer, single, byte etc).Hence, which following programming  construct is able to implement the comparision function?  a) interface  b) encapsulation  c) delegate  d) attribute  Answer: c  94. To generate a simple notification for an object on runtime the programming  construct to be used for implementation this idea?  a) namespace  b) interface  c) delegate  d) attribute  Answer: c  95. Choose the incorrect statement about the delegate?  a) delegate are of reference types  b) delegates are object oriented  c) delegates are type safe  d) none of the mentioned  Answer: d  96. Correct statement about delegate declaration given below is ?  delegate void del(int i);  a) On declaring the delegate a class called del is created  b) the del class is derived from the MulticastDelegate class  c) the del class will contain a one arguement constructor and an invoke() method  d) none of the mentioned  Answer: a, b, c  97. Which is the incorrect statement about delegate?  a) A single delegate can invoke more than one method  b) delegates could be shared  c) delegates are type safe wrappers for funtion pointers  d) delegate is a value type  Answer: d  98. Choose statements which differentiate delegate in C#.NET than a conventional  function pointer in other languages?  a) delegate in C#.NET represent a new type in the Comman Type System  b) delegate allow static as well as instance methods to be invoked  c) delegate are type safe and secure  d) none of the mentioned  Answer: d  99. Select the namespace on which the stream classes are defined?  a) System.IO  b) System.Input  c) System.Output  d) All of the mentioned  Answer: a  100. Choose the class on which all stream classes are defined?  a) System.IO.stream  b) Sytem.Input.stream  c) System.Output.stream  d) All of the mentioned  Answer: a  101. A method used to write a single byte to an output stream?  a) void WriteByte(byte value)  b) int Write(byte[] buffer ,int offset ,int count)  c) write()  d) None of the mentioned  Answer: a  102. Select the method which writes the contents of the stream to the physical device.  a) fflush()  b) void fflush()  c) void Flush()  d) flush()  Answer: c  //103. Which statement correctly defines about Interfaces in C#.NET?  a) Interfaces cannot be inherited  b) Interfaces consists of data static in nature and static methods  c) Interfaces consists of only method declaration  d) None of the mentioned  Answer: c  104. Which keyword used for correct implementation of an interface in C#.NET?  a) interface  b) Interface  c) intf  d) Intf  Answer: a  105. Select which among is NOT an exception?  a) Stack Overflow  b) Arithmetic Overflow or underflow  c) Incorrect Arithmetic Expression  d) All of the above mentioned  Answer :c  106. Select which among is NOT considered as .NET Exception class?  a) Exception  b) StackUnderflow Exception  c) File Found Exception  d) Divide By zero Exception  Answer :b, c  107. Select the statements which describes correctly usage of exception handling  over conventional error handling approaches?  a) As errors can be ignored but exceptions cannot be ignored  b) Exception handling allows seperation of programs logic from error handling  logic making software more reliable and maintainable  c) try catch finally structure allows guaranteed cleanup in event of errors  under all circumstances  d) All of the above mentioned  Answer :d  108. Select the correct statement about an Exception?  a) It occurs during loading of program  b) It occurs during Just-In-Time compilation  c) It occurs at run time  d) All of the above mentioned  Answer :c  109. Which of these keywords is not a part of exception handling?  a) try  b) finally  c) thrown  d) catch  Answer :c |
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