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SR.NO	Project NAME	Technology
1	Online E-Learning Platform Hub	React+Springboot+MySql
2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySql
3	Tour and Travel management System	React+Springboot+MySql
4	Election commition of India (online Voting System)	React+Springboot+MySql
5	HomeRental Booking System	React+Springboot+MySql
6	Event Management System	React+Springboot+MySql
7	Hotel Management System	React+Springboot+MySql
8	Agriculture web Project	React+Springboot+MySql
9	AirLine Reservation System / Flight booking System	React+Springboot+MySql
10	E-commerce web Project	React+Springboot+MySql
11	Hospital Management System	React+Springboot+MySql
12	E-RTO Driving licence portal	React+Springboot+MySql
13	Transpotation Services portal	React+Springboot+MySql
14	Courier Services Portal / Courier Management System	React+Springboot+MySql
15	Online Food Delivery Portal	React+Springboot+MySql
16	Muncipal Corporation Management	React+Springboot+MySql
17	Gym Management System	React+Springboot+MySql
18	Bike/Car ental System Portal	React+Springboot+MySql
19	CharityDonation web project	React+Springboot+MySql
20	Movie Booking System	React+Springboot+MySql

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21	Job Portal web project	React+Springboot+MySql
22	LIC Insurance Portal	React+Springboot+MySql
23	Employee Management System	React+Springboot+MySql
24	Payroll Management System	React+Springboot+MySql
25	RealEstate Property Project	React+Springboot+MySql
26	Marriage Hall Booking Project	React+Springboot+MySql
27	Online Student Management portal	React+Springboot+MySql
28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+NextJs+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql

41	Bus Tickit Booking Project	React+Springboot+MySql
42	Fruite Delivery Project	React+Springboot+MySql
43	Woodworks Bed Shop	React+Springboot+MySql
44	Online Dairy Product sell Project	React+Springboot+MySql
45	Online E-Pharma medicine sell Project	React+Springboot+MySql
46	FarmerMarketplace Web Project	React+Springboot+MySql
47	Online Cloth Store Project	React+Springboot+MySql
48	Train Ticket Booking Project	React+Springboot+MySql
49	Quizz Application Project	JSP+Springboot+MySql
50	Hotel Room Booking Project	React+Springboot+MySql
51	Online Crime Reporting Portal Project	React+Springboot+MySql
52	Online Child Adoption Portal Project	React+Springboot+MySql
53	online Pizza Delivery System Project	React+Springboot+MySql
54	Online Social Complaint Portal Project	React+Springboot+MySql
55	Electric Vehical management system Project	React+Springboot+MySql
56	Online mess / Tiffin management System Project	React+Springboot+MySql
57		React+Springboot+MySql
58		React+Springboot+MySql
59		React+Springboot+MySql
60		React+Springboot+MySql

Spring Boot + React JS + MySQL Project List

Sr.No	Project Name	YouTube Link
1	Online E-Learning Hub Platform Project	https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW
2	PG Mate / Room sharing/Flat sharing	https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp
3	Tour and Travel System Project Version 1.0	https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12
4	Marriage Hall Booking	https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7
5	Ecommerce Shopping project	https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq
6	Bike Rental System Project	https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H
7	Multi-Restaurant management system	https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB
8	Hospital management system Project	https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw
9	Municipal Corporation system Project	https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF
10	Tour and Travel System Project version 2.0	https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ

Sr.No	Project Name	YouTube Link
11	Tour and Travel System Project version 3.0	https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug
12	Gym Management system Project	https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX
13	Online Driving License system Project	https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn
14	Online Flight Booking system Project	https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh
15	Employee management system project	https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H
16	Online student school or college portal	https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD
17	Online movie booking system project	https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm
18	Online Pizza Delivery system project	https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM
19	Online Crime Reporting system Project	https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO
20	Online Children Adoption Project	https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N

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

Answer» C. 1,2,3,4

[discuss](#)

2. 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

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

Answer» B. 3,4

[discuss](#)

3. 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.

Answer» D. Managed code is the code that is written to target the services of the CLR.

[discuss](#)

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

Answer» C. 4,5

[discuss](#)

5. Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

- A. NET class libraries
- B. Common Language Runtime
- C. Common Language Infrastructure
- D. Component Object Model

Answer» A. NET class libraries

[discuss](#)

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

- A. Common Language Infrastructure
- B. CLR
- C. Garbage Collector
- D. Class Loader

Answer» C. Garbage Collector

[discuss](#)

7. Which of the following statements correctly define .NET Framework?

- A. It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services
- B. It is an environment for developing, building, deploying and executing only Web Applications.

Answer» A. It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services

7. Which of the following statements correctly define .NET Framework?

- C. It is an environment for developing, building, deploying and executing Distributed Applications.
- D. It is an environment for developing, building, deploying and executing Web Services.

Answer» A. It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services

[discuss](#)

8. Which of the following constitutes the .NET Framework?

- 1. ASP.NET Applications
- 2. CLR
- 3. Framework Class Library
- 4. WinForm Applications
- 5. Windows Services

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

Answer» B. 2,3

[discuss](#)

9. Which of the following assemblies can be stored in Global Assembly Cache?

- A. Private Assemblies
- B. Friend Assemblies
- C. Shared Assemblies
- D. Public Assemblies

Answer» C. Shared Assemblies

[discuss](#)

10. Code that targets the Common Language Runtime is known as

- A. Unmanaged
- B. Distributed
- C. Legacy
- D. Managed code

Answer» D. Managed code

[discuss](#)

11. 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. NET Framework uses DCOM for making transition between managed and unmanaged code.

[discuss](#)

12. Which of the following benefits do we get on running managed code under CLR?

1. Type safety of the code running under CLR is assured.
2. It is ensured that an application would not access the memory that it is not authorized to access.
3. It launches separate process for every application running under it.
4. The resources are Garbage collected.

- A. Only 1 and 2
- B. Only 2, 3 and 4
- C. Only 1, 3 and 4
- D. All of the above

Answer» D. All of the above

[discuss](#)

13. Which of the following jobs are done by Common Language Runtime?

1. It provides core services such as memory management, thread management, and remoting.
2. It enforces strict type safety.
3. It provides Code Access Security.
4. It provides Garbage Collection Services.

- A. Only 1 and 2
- B. Only 3 and 4
- C. Only 1, 3 and 4
- D. All of the above

Answer» D. All of the above

[discuss](#)

14. Which of the following statements are correct about a .NET Assembly?

1. It is the smallest deployable unit.
2. Each assembly has only one entry point - Main(), WinMain() or DLLMain().
3. An assembly can be a Shared assembly or a Private assembly.
4. An assembly can contain only code and data.
5. An assembly is always in the form of an EXE file.

A. 1,2,3

B. 2,4,5

C. 1,3,5

D. 1,2

Answer» D. 1,2

[discuss](#)

15. Which of the following statements are correct about JIT?

1. JIT compiler compiles instructions into machine code at run time.
2. The code compiler by the JIT compiler runs under CLR.
3. The instructions compiled by JIT compilers are written in native code.
4. The instructions compiled by JIT compilers are written in Intermediate Language (IL) code.
5. The method is JIT compiled even if it is not called

A. 1, 2, 3

B. 2,4

C. 3,4,5

D. 1,2

Answer» A. 1, 2, 3

[discuss](#)

16. 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
5. Mobile Applications

A. Only 1, 2, 3

B. Only 1, 2

C. Only 1, 2, 4

D. Only 4,5

Answer» B. Only 1, 2

[discuss](#)

17. In C#, a subroutine is called a _____.

A. Function

B. Metadata

C. Method

D. Managed code

Answer» C. Method

[discuss](#)

18. All C# applications begin execution by calling the ____ method.

A. Class()

B. Main()

C. Submain()

D. Namespace

Answer» B. Main()

[discuss](#)

19. A _____ is an identifier that denotes a storage location

A. Constant

B. Reference type

C. Variable

D. Object

Answer» C. Variable

[discuss](#)

20. _____ are reserved, and cannot be used as identifiers.

- A. Keywords
- B. literal
- C. variables
- D. Identifiers

Answer» A. Keywords

[discuss](#)

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

- A. Bool type
- B. Instance type
- C. Class type
- D. Object type

Answer» D. Object type

[discuss](#)

22. The character pair?: is an _____ available in C#.

- A. Unary operator
- B. Ternary operator
- C. Decision operator
- D. Functional operator

Answer» B. Ternary operator

[discuss](#)

23. In C#, all binary operators are _____.

- A. Center-associative
- B. Right-associative

Answer» C. Left-associative

23. In C#, all binary operators are _____.

- C. Left-associative
- D. Top-associative

Answer» C. Left-associative

[discuss](#)

24. An _____ is a symbol that tells the computer to perform certain mathematical or logical manipulations.

- A. Operator
- B. Expression
- C. Condition
- D. Logic

Answer» A. Operator

[discuss](#)

25. A _____ is any valid C# variable ending with a colon.

- A. goto
- B. Label
- C. Logical
- D. Bitwise

Answer» B. Label

[discuss](#)

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

- A. Looping
- B. Functional
- C. Exponential
- D. Conditional

Answer» D. Conditional

27. _____ causes the loop to continue with the next iteration after skipping any statements in between.

- A. Loop
- B. Exit
- C. Break
- D. Continue

Answer» D. Continue

[discuss](#)

28. An ____ is a group of contiguous or related data items that share a common name.

- A. Operator
- B. Integer
- C. Exponential
- D. Array

Answer» D. Array

[discuss](#)

29. Arrays in C# are _____ objects

- A. Reference
- B. Logical
- C. Value
- D. Arithmetic

Answer» A. Reference

[discuss](#)

30. Multidimensional arrays are sometimes called _____ Arrays.

- A. Square

Answer» C. Rectangular

30. Multidimensional arrays are sometimes called _____ Arrays.

- B. Triangular
- C. Rectangular
- D. Cube

Answer» C. Rectangular

[discuss](#)

31. Which of the following define the rules for .Net Languages?

- A. GAC
- B. CLS
- C. CTS
- D. CLR

Answer» B. CLS

[discuss](#)

32. _____ namespace is not defined in the .NET class library.

- A. System.CodeDom
- B. System
- C. System.IO
- D. System.Text

Answer» A. System.CodeDom

[discuss](#)

33. Dot Net Framework consists of :

- A. Common language runtime
- B. Set of class libraries
- C. Common language runtime and set of class libraries
- D. None of above

Answer» C. Common language runtime and set of class libraries

[discuss](#)

34. Which of the following statements are correct about JIT?

1. JIT compiler compiles instructions into machine code at run time.
2. The code compiler by the JIT compiler runs under CLR.
3. The instructions compiled by JIT compilers are written in native code.
4. The instructions compiled by JIT compilers are written in Intermediate Language (IL) code.

- A. 1,2,3

Answer» A. 1,2,3

34. Which of the following statements are correct about JIT?

1. JIT compiler compiles instructions into machine code at run time.
2. The code compiler by the JIT compiler runs under CLR.
3. The instructions compiled by JIT compilers are written in native code.
4. The instructions compiled by JIT compilers are written in Intermediate Language (IL) code.

B. 2,4

C. 3,4

D. 1,2

Answer» A. 1,2,3

[discuss](#)

35. Which of the following is the root of the .NET type hierarchy?

- A. System.Type
- B. System.Base
- C. System.Parent
- D. System.Object

Answer» D. System.Object

[discuss](#)

36. Code that targets the Common Language Runtime is known as

- A. Unmanaged
- B. Distributed
- C. Managed Code
- D. Native Code

Answer» C. Managed Code

[discuss](#)

37. Which of the following statements correctly define .NET Framework?

- A. It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services.
- B. It is an environment for developing, building, deploying and executing only Web Applications.
- C. It is an environment for developing, building, deploying and executing Distributed Applications.
- D. It is an environment for developing, building, deploying and executing Web Services.

Answer» A. It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services.

[discuss](#)

38. How many types of compilers available under CLR?

- A. 4
- B. 2
- C. 1
- D. 3

Answer» D. 3

[discuss](#)

39. 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

Answer» B. ngen

[discuss](#)

Chapter: Unit 2

40. Which of the following statements are correct about data types?

1. If the integer literal exceeds the range of byte, a compilation error will occur.
2. We cannot implicitly convert non-literal numeric types of larger storage size to byte.
3. Byte cannot be implicitly converted to float.
4. A char can be implicitly converted to only int data type.
5. We can cast the integral character codes.

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

Answer» D. 1,2,5

41. Which of the following is NOT an Integer?

- A. Char
- B. Byte
- C. Integer
- D. Long

Answer» A. Char

[discuss](#)

42. What will be the output of the following code snippet when it is executed?

```
int x = 1;  
float y = 1.1f;  
short z = 1;  
Console.WriteLine((float) x + y * z - (x += (short) y));
```

- A. 0.1
- B. 1.0
- C. 1.1
- D. 11

Answer» A. 0.1

[discuss](#)

43. Which of the following is the correct size of a Decimal datatype?

- A. 8 bytes
- B. 4 bytes
- C. 10 bytes
- D. None of the above

Answer» D. None of the above

[discuss](#)

44. Which of the following statements are correct?

1. We can assign values of any type to variables of type object.
2. When a variable of a value type is converted to object, it is said to be unboxed.
3. When a variable of type object is converted to a value type, it is said to be boxed.
4. Boolean variable cannot have a value of null.
5. When a value type is boxed, an entirely new object must be allocated and constructed.

- A. 2,5
- B. 1,5

Answer» B. 1,5

44. Which of the following statements are correct?

1. We can assign values of any type to variables of type object.
2. When a variable of a value type is converted to object, it is said to be unboxed.
3. When a variable of type object is converted to a value type, it is said to be boxed.
4. Boolean variable cannot have a value of null.
5. When a value type is boxed, an entirely new object must be allocated and constructed.

C. 3,4

D. 2,3

Answer» B. 1,5

[discuss](#)

45. Which of the following is the correct ways to set a value 3.14 in a variable pi such that it cannot be modified?

- A. float pi = 3.14F;
- B. #define pi 3.14F;
- C. const float pi = 3.14F;
- D. const float pi; pi = 3.14F;

Answer» C. const float pi = 3.14F;

[discuss](#)

46. Which of the following can be used to terminate a while loop and transfer control outside the loop?

1. exit while
2. continue
3. exit statement
4. break
5. goto

A. 1,3

B. 2,4

C. 3,5

D. 4,5

Answer» D. 4,5

[discuss](#)

47. Which of the following statements are correct about the C#.NET code snippet given below?

```
if (age > 18 && no < 11) a = 25;
```

1. The condition `no < 11` will be evaluated only if `age > 18` evaluates to True.
2. The statement `a = 25` will get executed if any one condition is True.
3. The condition `no < 11` will be evaluated only if `age > 18` evaluates to False.
4. The statement `a = 25` will get executed if both the conditions are True.
5. `&&` is known as a short circuiting logical operator.

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

Answer» C. 1,4,5,

[discuss](#)

48. Which of the following is the correct output for the C#.NET code snippet given below?
`Console.WriteLine(13 / 2 + " " + 13 % 2);`

- A. 6.5 1
- B. 6.5 0
- C. 6 0
- D. 6 1

Answer» D. 6 1

[discuss](#)

49. Which of the following statements are correct?

1. Instance members of a class can be accessed only through an object of that class.
2. A class can contain only instance data and instance member function.
3. All objects created from a class will occupy equal number of bytes in memory.
4. A class can contain Friend functions.
5. A class is a blueprint or a template according to which objects are created.

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

Answer» A. 1,3,5

[discuss](#)

50. Which of the following is the correct way to create an object of the class Sample?

1. `Sample s = new Sample();`
2. `Sample s;`
3. `Sample s; s = new Sample();`
4. `s = new Sample();`

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

Answer» A. 1,3

[discuss](#)

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51. Which of the following statements is correct about constructors?

- A. If we provide a one-argument constructor then the compiler still provides a zeroargument constructor.
- B. Overloaded constructors have the same name as the class name
- C. Overloaded constructors cannot use optional arguments.
- D. If we do not provide a constructor, then the compiler provides a zero-argument constructor.

Answer» D. If we do not provide a constructor, then the compiler provides a zero-argument constructor.

[discuss](#)

52. Which of the following statements is correct?

- A. There is one garbage collector per program running in memory.
- B. There is one common garbage collector for all programs.
- C. An object is destroyed by the garbage collector when only one reference refers to it.
- D. We have to specifically run the garbage collector after executing Visual Studio.NET.

Answer» B. There is one common garbage collector for all programs.

[discuss](#)

53. Which of the following can be facilitated by the Inheritance mechanism?

1. Use the existing functionality of base class.
2. Override the existing functionality of base class.
3. Implement new functionality in the derived class.
4. Implement polymorphic behaviour.
5. Implement containership.

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

Answer» A. 1,2,3

[discuss](#)

54. Which one of the following statements is correct?

- A. Array elements can be of integer type only.
- B. The rank of an Array is the total number of elements it can contain.
- C. The length of an Array is the number of dimensions in the Array.
- D. The default value of numeric array elements is zero.

Answer» D. The default value of numeric array elements is zero.

[discuss](#)

55. Which of the following statements are correct about arrays used in C#.NET?

1. Arrays can be rectangular or jagged.
2. Rectangular arrays have similar rows stored in adjacent memory locations.
3. Jagged arrays do not have an access to the methods of System.Array Class.
4. Rectangular arrays do not have an access to the methods of System.Array Class.
5. Jagged arrays have dissimilar rows stored in non-adjacent memory locations.

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

Answer» D. 1,2,5

[discuss](#)

56. Which of the following statements are correct?

1. A struct can contain properties.
2. A struct can contain constructors.
3. A struct can contain protected data members.
4. A struct cannot contain methods.
5. A struct cannot contain constants.

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

Answer» A. 1,2

[discuss](#)

57. Which of the following will be the correct output for the C#.NET code snippet given below?

```
String s1 = "ALL MEN ARE CREATED EQUAL";  
String s2; s2 = s1.Substring(12, 3);  
Console.WriteLine(s2);
```

- A. ARE
B. CRE
C. CR
D. REA

Answer» B. CRE

[discuss](#)

58. If s1 and s2 are references to two strings, then which of the following is the correct way to compare the two references?

- A. s1 is s2
- B. s1=s2
- C. s1==s2
- D. s1.Equals(s2)

Answer» D. s1.Equals(s2)

[discuss](#)

59. Which of the following statements is correct about an Exception?

- A. It occurs during compilation.
- B. It occurs during linking.
- C. It occurs at run-time.
- D. It occurs during Just-In-Time compilation.

Answer» C. It occurs at run-time.

[discuss](#)

60. Which of the following statements are correct about exception handling in C#.NET?

1 If an exception occurs then the program terminates abruptly without getting any chance to recover from the exception. 2 No matter whether an exception occurs or not, the statements in the finally clause (if present) will get executed.

3 A program can contain multiple finally clauses.

4 A finally clause is written outside the try block.

5 Finally clause is used to perform cleanup operations like closing the network/database connections.

- A. 1 only
- B. 2 only
- C. 2 and 5 only
- D. 3 and 4 only

Answer» C. 2 and 5 only

[discuss](#)

61. _____ parameters are used to pass results back to the calling method.

- A. Input
- B. Reference
- C. Value
- D. Output

Answer» D. Output

[discuss](#)

62. The formal-parameter-list is always enclosed in _____.

- A. Square
- B. Semicolon
- C. Parenthesis
- D. Colon

Answer» C. Parenthesis

[discuss](#)

63. _____ variables are visible only in the block they are declared.

- A. System
- B. Global
- C. Local
- D. Console

Answer» C. Local

[discuss](#)

64. C# does not support _____ constructors.

- A. parameterized
- B. parameter-less
- C. Class
- D. Method

Answer» B. parameter-less

[discuss](#)

65. A structure in C# provides a unique way of packing together data of _____ types.

- A. Different
- B. Same
- C. Invoking
- D. Calling

Answer» A. Different

[discuss](#)

66. Struct's data members are _____ by default.

- A. Protected
- B. Public

Answer» C. Private

66. Struct's data members are _____ by default.

- C. Private
- D. Default

Answer» C. Private

[discuss](#)

67. A _____ creates an object by copying variables from another object.

- A. Copy constructor
- B. Default constructor
- C. Invoking constructor
- D. Calling constructor

Answer» A. Copy constructor

[discuss](#)

68. The methods that have the same name, but different parameter lists and different definitions is called_____.

- A. Method Overloading
- B. Method Overriding
- C. Method Overwriting
- D. Method Overreading

Answer» A. Method Overloading

[discuss](#)

69. The C# provides special methods known as _____ methods to provide access to data members.

- A. Loop
- B. Functions
- C. Methods
- D. Accessor

Answer» D. Accessor

[discuss](#)

70. Storage location used by computer memory to store data for usage by an application is ?

- A. Pointers
- B. Constants
- C. Variable
- D. None of the mentioned

Answer» C. Variable

[discuss](#)

71. Which of these can be overloaded?

- A. Constructors
- B. Methods
- C. Both a & b
- D. None of the mentioned

Answer» C. Both a & b

[discuss](#)

72. Number of constructors a class can define of ?

- A. 1
- B. 2
- C. Any number
- D. None of the mentioned

Answer» C. Any number

[discuss](#)

73. 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. Constructor have same name as name of the class

[discuss](#)

74. Constructors are used to

- A. initialize the objects
- B. construct the data members
- C. both a & b
- D. None of the mentioned

Answer» C. both a & b

[discuss](#)

75. To overload a method which of the following statement is false?

- A. If the return type is different methods are overloaded
- B. Name of the overloaded method should be same

Answer» A. If the return type is different methods are overloaded

75. To overload a method which of the following statement is false?

- C. Type of the parameter should be different
- D. Order of the parameter should be different if types are same

Answer» A. If the return type is different methods are overloaded

[discuss](#)

76. 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» D. None of the mentioned

[discuss](#)

77. What is return type of constructors?

- A. int
- B. float
- C. void
- D. None of the mentioned

Answer» D. None of the mentioned

[discuss](#)

78. Which method have same name as that of its class?

- A. delete
- B. class
- C. constructor
- D. None of mentioned

Answer» C. constructor

[discuss](#)

79. Which of following statement are correct about functions?

- A. C# allows a function to have arguments with default values
- B. Redefining a method parameter in the method's body causes an exception
- C. C# allows function to have arguments of private type
- D. Omitting the return type in method definition results into exception

Answer» A. C# allows a function to have arguments with default values

[discuss](#)

80. Which of the following statements are correct about an ArrayList collection that implements the IEnumerable interface?

1. The ArrayList class contains an inner class that implements the IEnumerator interface.
2. An ArrayList Collection cannot be accessed simultaneously by different threads.
3. The inner class of ArrayList can access ArrayList class's members.
4. To access members of ArrayList from the inner class, it is necessary to pass ArrayList class's reference to it.
5. Enumerator's of ArrayList Collection can manipulate the array.

- A. 1 and 2 only
- B. 1,3 and 4 only
- C. 2 and 5 only
- D. None of the above

Answer» B. 1,3 and 4 only

[discuss](#)

81. How many enumerators will exist if four threads are simultaneously working on an ArrayList object?

- A. 1
- B. 3
- C. 2
- D. 4

Answer» D. 4

[discuss](#)

82. In which of the following collections is the Input/Output index-based? 1. Stack 2. Queue 3. BitArray 4. ArrayList 5. HashTable

- A. 1 and 2 only
- B. 3 and 4 only
- C. 5 only
- D. 1, 2 and 5 only

Answer» B. 3 and 4 only

[discuss](#)

83. Which of the following statements are correct about the Stack collection?

1. It can be used for evaluation of expressions.
2. All elements in the Stack collection can be accessed using an enumerator.
3. It is used to maintain a FIFO list.
4. All elements stored in a Stack collection must be of similar type.
5. Top-most element of the Stack collection can be accessed using the Peek() method.

- A. 1 and 2 only
- B. 3 and 4 only
- C. 1, 2 and 5 only
- D. All of the above

Answer» C. 1, 2 and 5 only

[discuss](#)

84. Which of the following is the correct way to access all elements of the Queue collection created using the C#.NET code snippet given below? Queue q = new Queue(); q.Enqueue("Sachin"); q.Enqueue('A'); q.Enqueue(false); q.Enqueue(38); q.Enqueue(5.4);

- A. IEnumerator e; e = q.GetEnumerator(); while (e.MoveNext()) Console.WriteLine(e.Current);
- B. IEnumerable e; e = q.GetEnumerator(); while (e.MoveNext()) Console.WriteLine(e.Current);
- C. IEnumerator e; e = q.GetEnumerable(); while (e.MoveNext()) Console.WriteLine(e.Current);
- D. IEnumerator e; e = Queue.GetEnumerator(); while (e.MoveNext()) Console.WriteLine(e.Current);

Answer» A. IEnumerator e; e = q.GetEnumerator(); while (e.MoveNext()) Console.WriteLine(e.Current);

[discuss](#)

85. 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.

Answer» D. Only one method can be called using a delegate.

[discuss](#)

86. Which of the following statements are correct about the delegate declaration given below? `delegate void`

`del(int I);`

1. On declaring the delegate a class called `del` will get created.
2. The signature of `del` need not be same as the signature of the method that we intend to call using it.
3. The `del` class will be derived from the `MulticastDelegate` class.
4. The method that can be called using `del` should not be a static method.
5. The `del` class will contain a one-argument constructor and an `Invoke()` method.

A. 1, 2 and 3 only

B. 1, 3 and 5 only

C. 2 and 4 only

D. 4 only

Answer» B. 1, 3 and 5 only

[discuss](#)

87. Suppose a Generic class called `SortObjects` is to be made capable of sorting objects of any type (`Integer`, `Single`, `Byte` etc.). Which of the following programming constructs should be used to implement the comparison function?

A. Namespace

B. Interface

C. Encapsulation

D. Delegate

Answer» D. Delegate

[discuss](#)

88. What is a delegate?

- A. A strongly typed function pointer.
- B. A light weight thread or process that can call a single method.
- C. A reference to an object in a different process.
- D. An inter-process message channel.

Answer» A. A strongly typed function pointer.

[discuss](#)

89. Which of the following is included in Visual Studio IDE?

- Form Designer
- Code Editor
- Solution Explorer

Answer» D. All of the above

89. Which of the following is included in Visual Studio IDE?

D. All of the above

Answer» D. All of the above

[discuss](#)

90. Which of the following is true about dispose() method?

- A. This method is protected.
- B. Its return type is int.
- C. It accepts a float parameter.
- D. All of the above.

Answer» A. This method is protected.

[discuss](#)

91. Button class derives from

- A. Checkbox
- B. RadioButton
- C. ButtonBase
- D. None of the above

Answer» C. ButtonBase

[discuss](#)

92. Which namespace includes most of the Control classes for developing Windows applications?

- A. System;
- B. System.Windows.Controls
- C. System.Windows.Components.Forms
- D. System.Windows.Forms

Answer» C. System.Windows.Components.Forms

[discuss](#)

93. Which of the Control objects is viewed as a container that can hold other objects when you design a Windows application?

- A. Control
- B. Button
- C. Window
- D. Form

Answer» D. Form

[discuss](#)

94. When an instance method declaration includes the abstract modifier, the method is said to be an ____.

- A. Abstract method
- B. Instance method
- C. Sealed method
- D. Expression method

Answer» A. Abstract method

[discuss](#)

95. The theory of ____ implies that user can control the access to a class, method, or variable.

- A. Data hiding
- B. Encapsulation
- C. Information Hiding
- D. Polymorphism

Answer» B. Encapsulation

[discuss](#)

96. Inheritance is ____ in nature.

- A. Commutative
- B. Associative
- C. Transitive
- D. Iterative

Answer» C. Transitive

[discuss](#)

97. The point at which an exception is thrown is called the ____.

- A. Default point
- B. Invoking point
- C. Calling point
- D. Throw point

Answer» D. Throw point

[discuss](#)

98. In C#, having unreachable code is always an ____.

- A. Method
- B. Function
- C. Error

Answer» C. Error

98. In C#, having unreachable code is always an ____.

D. Iterative

Answer» C. Error

[discuss](#)

99. C# treats the multiple catch statements like cases in a _____ statement.

A. If

B. Switch

C. For

D. While

Answer» B. Switch

[discuss](#)

100. C# supports a technique known as _____, which allows a method to specify explicitly the name of the interface it is implementing.

A. Method Implementation

B. Implicit Interface Implementation

C. Explicit Interface Implementation

D. Iterative Interface Implementation

Answer» C. Explicit Interface Implementation

[discuss](#)

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Chapter: Unit 3

101. The reason that C# does not support multiple inheritances is because of ____.

- A. Method collision
- B. Name collision
- C. Function collision
- D. Interface collision

Answer» B. Name collision

[discuss](#)

102. ____ is a set of devices through which a user communicates with a system using interactive set of commands.

- A. Console
- B. System
- C. Keyboard
- D. Monitor

Answer» A. Console

[discuss](#)

103. Exponential formatting character ('E' or 'e') converts a given value to string in the form of ____.

- A. m.dddd
- B. E+xxx
- C. m.dddd
- D. E+xxx

Answer» A. m.dddd

[discuss](#)

104. The ____ are the Graphical User Interface (GUI) components created for web based interactions..

- A. Web forms
- B. Window Forms
- C. Application Forms
- D. None of the above

Answer» B. Window Forms

[discuss](#)

105. In Microsoft Visual Studio, _____ technology and a programming language such as C# is used to create a Web based application.

- A. JAVA
- B. J#
- C. VB.NET
- D. ASP.NET

Answer» D. ASP.NET

[discuss](#)

106. The controls available in the tool box of the _____ are used to create the user interface of a web based application.

- A. Microsoft visual studio IDE
- B. Application window
- C. Web forms
- D. None of the above

Answer» A. Microsoft visual studio IDE

[discuss](#)

107. Web Forms consists of a _____ and a _____ .

- A. Template, Component
- B. CLR, CTS
- C. HTML Forms, Web services
- D. Windows, desktop

Answer» A. Template, Component

[discuss](#)

108. The _____ parentheses that follow _____ indicate that no information is passed to Main().

- A. Empty, class
- B. Empty, submain
- C. Empty, Main
- D. Empty, Namespace

Answer» C. Empty, Main

[discuss](#)

109. The scope of a variable depends on the _____ and _____.

- A. Main method, place of its declaration

Answer» B. Type of the variable, console

109. The scope of a variable depends on the _____ and _____.

- B. Type of the variable, console
- C. compiler, main
- D. Type of the variable, place of its declaration

Answer» B. Type of the variable, console

[discuss](#)

110. Which of the following statements is correct about the C#.NET code snippet given below?

```
class Student s1, s2; // Here 'Student' is a user-defined  
class. s1 = new Student();  
s2 = new Student();
```

- A. Contents of s1 and s2 will be exactly same.
- B. The two objects will get created on the stack.
- C. Contents of the two objects created will be exactly same.
- D. The two objects will always be created in adjacent memory locations.

Answer» C. Contents of the two objects created will be exactly same.

[discuss](#)

111. Which of the following can be facilitated by the Inheritance mechanism?

- 1 Use the existing functionality of base class.
- 2 Override the existing functionality of base class.
- 3 Implement new functionality in the derived class.
- 4 Implement polymorphic behaviour.
- 5 Implement containership.

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

Answer» A. 1, 2, 3

[discuss](#)

112. Which of the following should be used to implement a 'Has a' relationship between two entities?

- A. Polymorphism
- B. Templates
- C. Containership
- D. Encapsulation

Answer» C. Containership

[discuss](#)

113. Which of the following should be used to implement a 'Like a' or a 'Kind of' relationship between two entities?

- A. Polymorphism
- B. Containership
- C. Templates
- D. Inheritance

Answer» D. Inheritance

[discuss](#)

114. How can you prevent inheritance from a class in C#.NET ?

- A. Declare the class as shadows.
- B. Declare the class as overloads.
- C. Declare the class as seal

Answer» C. Declare the class as seal

[discuss](#)

115. A class implements two interfaces each containing three methods. The class contains no instance data. Which of the following correctly indicate the size of the object created from this class?

- A. 12 bytes
- B. 24 bytes
- C. 0 byte
- D. 8 bytes

Answer» B. 24 bytes

[discuss](#)

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

- A. All interfaces are derived from an Object class.
- B. Interfaces can be inherited.
- C. All interfaces are derived from an Object interface.
- D. Interfaces can contain only method declaration.

Answer» B. Interfaces can be inherited.

[discuss](#)

117. Which of the following statements is correct about an interface used in C#.NET?

- A. If a class implements an interface partially, then it should be an abstract class.
- B. Class cannot implement an interface partially.

Answer» A. If a class implements an interface partially, then it should be an abstract class.

117. Which of the following statements is correct about an interface used in C#.NET?

- C. An interface can contain static methods.
- D. An interface can contain static data.

Answer» A. If a class implements an interface partially, then it should be an abstract class.

[discuss](#)

118. Which of the following statements is correct about an interface?

- A. One interface can be implemented in another interface.
- B. An interface can be implemented by multiple classes in the same program.
- C. A class that implements an interface can explicitly implement members of that interface.
- D. The functions declared in an interface have a body.

Answer» C. A class that implements an interface can explicitly implement members of that interface.

[discuss](#)

Chapter: Unit 4

119. Databases store information in records, fields and:

- A. data providers
- B. grids
- C. columns
- D. tables

Answer» D. tables

[discuss](#)

120. Each data provider class is grouped and accessible through its:

- A. namespace
- B. database
- C. datagrid
- D. provider

Answer» A. namespace

[discuss](#)

121. In Visual Studio, the tool that enables you to connect to a database and automatically populate a dataset object using a TableAdapter object is the _____ wizard:

- A. Data Source Configuration
- B. Data Source
- C. Query Builder

Answer» A. Data Source Configuration

121. In Visual Studio, the tool that enables you to connect to a database and automatically populate a dataset object using a TableAdapter object is the _____ wizard:

D. DataSet Designer

Answer» A. Data Source Configuration

[discuss](#)

122. In XML, a document is a hierarchy of

A. attributes

B. elements

C. tags

D. All of the above

Answer» B. elements

[discuss](#)

123. Which of the following namespace contains the LINQ to XML?

A. System.Xml;

B. System.Data;

C. System.Xml.Linq;

D. System.Linq;

Answer» C. System.Xml.Linq;

[discuss](#)

124. LINQ to SQL works with

A. SQL Server

B. SQL Server Compact 3.5

C. Both (a) and (b)

D. None of the above

Answer» C. Both (a) and (b)

[discuss](#)

125. A connection string contains

A. a using directive

B. the name of the data source

C. the version number of database management system

D. the list of fields in the database

Answer» B. the name of the data source

[discuss](#)

126. To avoid writing additional SQL statements to update a live database, you instantiate an object of which class?

- A. DataAdapter
- B. DataReader
- C. DataSet
- D. CommandBuilder

Answer» A. DataAdapter

[discuss](#)

127. The following namespaces (System.Data.OleDb, System.Data.SqlClient, System.Data.Odbc, System.Data.OracleClient) include classes for different:

- A. Data providers
- B. File streams
- C. ADO.NET applications
- D. Databases

Answer» A. Data providers

[discuss](#)

128. Which of the following is a definition of a database?

- A. It is a collection of related information organized on a computer.
- B. It is single flat file.
- C. It is a file that can only be set up on a single PC.
- D. It is a group of files that can be set up only on a network.

Answer» A. It is a collection of related information organized on a computer.

[discuss](#)

129. A computer application for managing databases and pulling together data to generate reports and make decisions is known as a(n)

- A. Database System (DS).
- B. File Manager (FM).
- C. Management System (MS).
- D. Database Management System (DBMS).

Answer» D. Database Management System (DBMS).

[discuss](#)

130. Which of the following characterizes the relational model for databases?

- A. It organizes data into a hierarchal format.
- B. It splits data into separate row and column areas called tables.
- C. It organizes data into one large table.
- D. It organizes data into a network format.

Answer» B. It splits data into separate row and column areas called tables.

[discuss](#)

131. A field is a

- A. group of records.
- B. index that locates information in a table.
- C. common characteristic in a table of information.
- D. code that represents a record.

Answer» C. common characteristic in a table of information.

[discuss](#)

132. Forms and reports, used for entering and editing records, and for generating useful information in reports are

- A. additional database objects.
- B. only useful for complex databases.
- C. difficult to generate.
- D. stored separately from databases.

Answer» D. stored separately from databases.

[discuss](#)

133. A computer application that manages a database, in which different kinds of data are stored in separate tables, is known as a

- A. Normal database system.
- B. Network database system.
- C. Standalone database system.
- D. Relational database management system.

Answer» D. Relational database management system.

[discuss](#)

134. Which of the following are examples of relational database management systems?

- A. Adobe Publisher and Autocad

Answer» D. Microsoft Access and SQL 2000

134. Which of the following are examples of relational database management systems?

- B. Delphi and Turbo C++
- C. Microsoft Excel and Microsoft Project
- D. Microsoft Access and SQL 2000

Answer» D. Microsoft Access and SQL 2000

[discuss](#)

135. A unique field which distinguishes a record is known as a

- A. Foreign key.
- B. Primary key.
- C. Tertiary key.
- D. Secondary key.

Answer» D. Secondary key.

[discuss](#)

136. In a database, a parent-child relationship is also known as a

- A. Many-to-one relationship.
- B. Many-to-many relationship.
- C. One-to-many relationship.
- D. One-to-one relationship.

Answer» C. One-to-many relationship.

[discuss](#)

137. The field in the child table that links information to the parent table is known as the

- A. Foreign key.
- B. Primary key.
- C. Tertiary key.
- D. Secondary key.

Answer» A. Foreign key.

[discuss](#)

138. ADO.NET is the data access component of Microsoft's .NET framework that enables you to

- A. connect your Visual Basic.NET applications to your company's local area network.
- B. connect your Visual Basic.NET applications to databases.
- C. connect your PC to the Internet.

Answer» B. connect your Visual Basic.NET applications to databases.

138. ADO.NET is the data access component of Microsoft's .NET framework that enables you to

D. connect your local area network to the Internet.

Answer» B. connect your Visual Basic.NET applications to databases.

[discuss](#)

139. ADO.NET was created for

A. Multiple users.

B. Single users.

C. Home network users.

D. Limited users.

Answer» A. Multiple users.

[discuss](#)

140. Which of the following statements characterizes the relationship between a Visual Basic.NET program and a database record?

A. They are connected.

B. External databases cannot be accessed by Visual Basic.NET.

C. They are connected as long as the program is running.

D. They are not connected.

Answer» C. They are connected as long as the program is running.

[discuss](#)

141. A copy of a database is called a

A. Duplicate database.

B. Dataset.

C. Table.

D. Database copy.

Answer» B. Dataset.

[discuss](#)

142. When is the dataset connected to the database?

A. Whenever the program makes changes to a field or record

B. They are always connected

C. They are always disconnected

D. Whenever the program is running

Answer» A. Whenever the program makes changes to a field or record

[discuss](#)

143. The connection to the database is established by

- A. Using a local area network.
- B. Installing a special software package.
- C. Using managed providers.
- D. Using a wide area network.

Answer» C. Using managed providers.

[discuss](#)

144. The ADO.NET disconnected dataset

- A. Provides a flexible way of working with database records.
- B. Makes working with databases very complex.
- C. Requires a large amount of memory space.
- D. Is required when single users want to access a database.

Answer» A. Provides a flexible way of working with database records.

[discuss](#)

145. XML provides a(n)

- A. Difficult format for data storage.
- B. Numeric based code for data storage.
- C. Consistent format for data across applications, networks, and the Internet.
- D. Limited format for data storage.

Answer» C. Consistent format for data across applications, networks, and the Internet.

[discuss](#)

146. Why does Visual Studio.NET use XML as a data storage technology?

- A. XML works best for the single PC user.
- B. XML restricts the number of applications that can interface with Visual Basic.NET.
- C. XML is optimized for sharing data across the Internet.
- D. XML is easier to understand than Visual Basic.NET.

Answer» C. XML is optimized for sharing data across the Internet.

[discuss](#)

147. Choose the correct statements about the LINQ?

- A. The main concept behind the linq is query
- B. linq make use of for loop to execute the query
- C. It is not required that linq should make use of IEnumerable interface

Answer» A. The main concept behind the linq is query

147. Choose the correct statements about the LINQ?

D. None of the mentioned

Answer» A. The main concept behind the linq is query

[discuss](#)

148. Choose the namespace in which the interface IEnumerable is declared?

- A. System.Collections
- B. System.Collections.Generic
- C. Both a & b
- D. None of the mentioned

Answer» A. System.Collections

[discuss](#)

149. Can we use linq to query against a DataTable?

- A. Yes
- B. No
- C. Situational
- D. None of the mentioned

Answer» A. Yes

[discuss](#)

150. Select the namespace which should be included while making use of LINQ operations:

- A. System.Text
- B. System.Collections.Generic
- C. System.Linq
- D. None of the mentioned

Answer» C. System.Linq

[discuss](#)



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