**C# Related (Company) Questions**

1. What Is Ref Type?
2. Heap And Stack Questions For Memory Allocation?
3. What Is Constructor?
4. What is Static?
5. What is Overriding ? Why We Used Overriding?
6. Rules Of Partial Class?
7. Difference Between Generic &Non Generics?
8. Use Of This Keyword & Base Keyword ?
9. Difference Between Read Only & Constant?
10. On what Basis I Can OverLoad a Method?
11. What is Optional Parameters? How Do You Achieve It?
12. What is Polymorphism?
13. What is Method Hiding?
14. What Are Collection Classes?
15. Difference Between Dictionary & Hash Table?
16. What is Extension Method ? Other Way To Achieve It?
17. How We Iterate Values of HashTable & Dictionary?
18. What is Tuple?
19. What is Delegate?
20. Types Of Delegates?
21. What is Collection?
22. What Is Tuple?
23. What is HashTable?ArrayList? And How To Create Object Of Hashtable And ArrayList ?
24. What is Partial & Sealed Keyword ?
25. Explain Oops Concepts?
26. What is Var?
27. When You Are Using Abstract Class?
28. When Interface?
29. Find Elements With Particular Id?
30. Return Boolean Another Elements Present in List?
31. Why String is Immutable?
32. What is Object, Object is Consist of?(State, Identity & Behaviour)?
33. What is Difference Between Int And Int32?
34. What is Method Parameters?
35. What is Difference Between Value Type And reference Type?
36. In How Many ways We Can make Method Parameter As Optional?
37. What is Attribute?
38. What is Delegate?
39. Difference Between Var, Dynamic And Object?
40. What is the Need Of Delegates?
41. Where we Use Anonymous Type of Delegate?
42. What is Collection?
43. How Many Types of Collections?
44. What is Non- Generic Collection?
45. What is Difference Between Array & ArrayList?
46. What is Need of Method Hiding?
47. What is Polymorphism? Static And Dynamic?
48. Why OverLoading is Called As Runtime Polymorphism?
49. What is Abstraction & Encapsulation?
50. Why was Var Introduced if there are Object & Dynamic?
51. How To Achieve Multiple Inheritance in C#?
52. How To Handle error in C#? can I Have Multiple Finally Block for Single try-Catch?
53. What is Method OverLoading & Overriding?
54. What is Var?
55. What is Yield Keyword?
56. What is this And Base Keyword?
57. What is IEnumerable & IQueryable?
58. Difference Between For & ForEach? Which Is Faster?
59. What is Generic?
60. Can We Restrict Generic?
61. What is Delegate ? Why We Use Delegate?
62. Difference Between Abstrac t And Interface?
63. What is Generic? Syntax =>Dictionary Object
64. Difference Between Dictionary & Hashtable?
65. Difference Array & ArrayList?
66. Why We Need Inheritance?
67. Disadvantage Of Tuple?
68. Merge in C#
69. Can We Write Method Overloading in Same Class?
70. Write A Function that Takes an Array of integers(size 10) as parameter and return 1) Max 2 Elements 2) Min elements
71. What is Generics?
72. Write Anonymous Method?
73. Write a Func delegate & where we Used it?
74. Write a Predicate Delegate? Where you used it?
75. What is Static?
76. If I Want Multiple Classes are Static What will Happen?
77. Scenario: I Have One Constructor That Constructor are Private then What Will Happen?
78. What Are Modifiers?
79. What is Internal?
80. What is Protected?
81. What is Protected Internal?
82. Abstract Vs Interface? Which is Better?
83. Can we Write Fields in Interface? & Why We Cannot Write fields in Interface?
84. Difference Between Fields And Property?
85. Diff Between Static, Constant & Read Only ? Real Time Example of Constant?
86. Why GetType() Method Does Not Have A Virtual Keyword? Or We Not Override GetType() Because: We Get Only Type From It No Need To Override
87. Why We Override ToString, Equals , GetHashCode?
88. Diff Between Var , Object & Dynamic?
89. Object is Runtime Or Compile Time?
90. How will You Achieve Runtime Polymorphism?
91. What Type Of Constructor we Use in Abstract Class?
92. Can I Implement Private And Protected In Abstract?
93. Can I Implement Struct in Interface?
94. What is Diamond Problem? How to Solve it Using Interface?
95. Static Constructor? It Can Have Parameters?
96. Can I Write Function inside Function in c#
97. How to Throw Exception?
98. Syntax of TryParse()?
99. Can we Create Object of Struct?
100. What is Tuple?
101. Types of Classes in C#?
102. List And ArrayList?
103. What are Properties & Why We Use It?
104. How To Call Static Constructor from Static Class
105. Difference Between enum and Enum?
106. What is Partial Class And Sealed Class?
107. Sealed Method & Partial Method?
108. What is New Keyword?
109. Difference List<person> & Collection<person>
110. How many way Method Parameters? Solution:->Params, Method Overloading, Default Parameter, Optional Attribute
111. How You Handle Error in Multicast Delegate?
112. Reflection Syntax?
113. What is Jagged Array?
114. Default Value for Hash Table?
115. Can Private Virtual Method Override?
116. What is Specialization?
117. What is Method Hiding?
118. How to do typecasting?
119. How To Call Abstract method?
120. Array is Generic Or Not?
121. Difference Between String and string?
122. Can We Write Multiple Catch For Single Try?
123. All Access Specifier Comes into Which Abstraction Or Encapsulation?
124. How To Override A Method?
125. Write A Code For Ref & Out Parameter?
126. How To Call The Interface Expicilty?
127. If I Want To restrict User to Create a Object of class What will you Do?
128. Write A Logic to Find Sum of Digit i.e. 125 , Without using Loops, Linq, Goto
129. Can Non Static Member called from Non Static method?
130. What is Dictionary ? in How Many Ways we Can write a Dictionary?
131. How We can Insert any Type of value in ArrayList?
132. Difference Between Stack & Heap?
133. Difference Between Thread & Process?
134. How To Manage Exception in C#?
135. Can You Write Try Block Without Catch Block
136. When To Use Interface & When To Use Abstract Class?
137. What Are Generic Type Collection?
138. Do You Know Multi Threading?
139. Anonymous types ? Explain With Example ? Where you Used it?
140. What is Lazy Loading?
141. What is Deffered Name Resolution?