I send you the questions of the Fidelity's interview:

1. What is OOP? (Object Oriented Programming)
   1. is a way of writing computer programs using the idea of "**objects**" to represent data and methods.
2. Describe the four main features of OOP.
   1. Inheritance
      1. Enables new objects to take properties of existing objects.
   2. Polymorphism
      1. Follows the principle of Override.
   3. Encapsulation
      1. Modularity
   4. Abstraction
      1. To fulfill any operation by no concerning of what it is happening behind.
3. What is the difference between Overloading and Overriding?
   1. Overloading is having functions or methods with the same name but different parameters and Overriding means to implement a code from a parent class and modify its content.
4. Which is the difference between Internal and Protected access modifier
   1. Internal modifier means that the content of some class is just seen from the same namespace scope and protected means the content of a class can be just seen by the class and its implementations. (inheritance)
5. What is a Mutable Type? and give an example
   1. Mutable type is an object typet that can change the value over time (List, StringBuilder,etc)
6. What is an Inmmutable Type an give an example
   1. Immutable type is an object type that cannot change its value over time (All primitive types)
7. What is the difference between a Delegate and an Event?
   1. A delegate holds a reference of a method.
   2. An event is an action that changes the state of an object.
8. What is an interface?
   1. It is a contract that has the definitions of methods and must be respected in all the implemented classes.
9. What is the difference between an Interface and an Abstract Class?
   1. There are many of them.
      1. Interfaces only has definitions while Abstract class can have implementations and definitions
      2. Interfaces can have more than one inheritance, while abstract class can have only one inheritance.
10. What is a WCF?
11. What is a Service Contract?
12. What is a Data Contract?
13. What is a Proxy?
14. What is an Endpoint?
15. What is an Operation Contract?
16. What is reflection?
17. What is a Value Type?
18. What is a Reference Type?
19. What is the difference between an Array and an ArrayList?
20. What is a sealed class?
21. What is MVC?
22. What is a Web API?
23. What is an Action Filter?
24. What is a Routing Table?
25. Describe the life cycle of a MVC request?
26. What is the difference between ViewBag, ViewData and TempData?
27. What is the difference between a Stored Procedure and a Function?
28. What is a Trigger?
29. What is a Magic Table?
30. What is a Common Table Expression?
31. What kind of JOIN statements exists in SQL?

And 3 problems that I needed to solved explaining how I can solve it and the query I will use to solve the problem:

* The first one was solved using WITH(NOLOCK) or ISOLATION LEVEL READ UNCOMMITED
* The second one was solved using GROUP BY
* And the last one was solved using Common Table Expressions and UNION statement