1. What is Boxing/Unboxing in C#

Converting value type into object type is called Boxing and Unboxing extracts the value type from the object. Boxing is implicit and unboxing is explicit.

1. What is Abstract class and Interface? Can events be declared in Abstract class or in interface?

Abstract class is class type which cannot be instantiated. Usually abstract class used to provide some common functionality to be used by derived class.

Abstract class can have both abstract and non abstract members and abstract member must be implemented in the derived class.

Interface will have only declarations and interface mainly used to make multiple inheritance in c#.net though other features like writing unit test case etc..

Both abstract and interface allow to declare events.

1. What is partial class? How to use them?

A partial class splits the definition of a class over two or more source .cs files. We can create a class definition in multiple physical files but it will be compiled as one class when the classes are compiled. Usually win forms and wpf application code behind and designer files will be separated physically using partial and executes as single file logically.

1. How data is handled in WPF application?

Data binding is the mechanism to handle data in wpf to display and interact with data.

1. What are static and dynamic resources in WPF?

Static resource will be resolved and assigned to the property during the loading of the XAML which occurs before the application is actually run.

Dynamic resource assigns an Expression object to the property during loading but does not actually lookup the resource until runtime when the Expression object is asked for the value.

1. What is value convertor in WPF?

Value convertor usually used during data binding to convert the value from any type and binding into the respective control type.

1. What is doc panel in WPF?

A Dock Panel is a panel where each child element docks to one of the four edges.

1. Explain View Model in MVVM?

ViewModel is the main component of MVVM application. The primary responsibility of the ViewModel is to provide data to the view. View can have multiple models.

1. How to create Table Variables In SQL?

Table variable can be created as below

DECLARE @Student TABLE(StudentId int, Age int, ClassName Varchar(50))