**What is Finalizer is used for?**

Finalizers are used to perform any necessary final clean-up when a class instance is being collected by GC. For example, you can print something on the console when the object is collected by GC. **How GC works in .net?**

The garbage collector's optimizing engine determines the best time to perform a collection, based upon the allocations being made. When the garbage collector performs a collection, it checks for objects in the managed heap that are no longer being used by the application and performs the necessary operations to reclaim their memory.  
**What is the difference between .Net and .Net Core?**

**.**Net core is a free open-source development platform designed and developed by Microsoft that is used to develop general-purpose cloud-based software applications which are cross-platform that can be executed on Mac OS, Windows, and Linux.

.Net framework is a development platform for coding and executing applications on Windows. This framework consists of various details such as developer tools, programming languages, and libraries to design wen and desktop apps, it also has a layout of primary requirements for the development of applications such as Database connectivity, UI, Services, etc.

.Net Core is just a subset of .Net Framework. Wherein .Net Core is the most recent version of .Net Framework which is an open-source and cross-platform designed for modern apps.  
**What is difference between Managed v/s unmanaged memory in .Net?**

Managed memory is memory that will be cleaned up by GC. Unmanaged memory is memory that will not be cleaned up by GC automatically. Some typical examples are objects that encapsulate unmanaged resources such as file handle, window handle or network connection. These types of object need to be cleaned by using Dispose method.

**Why IDisposable is used?**

Refer to previous question, in order for an unmanaged object to be recycled, they need to implement IDisposable so that they can be manually reclaim by calling Dispose method. **If program is developed in .net core in Windows then can we run the same program in Linux without changing anything?**

Since .NET core is platform independent, we can run the same program in Linux without changing anything. If the program is being deployed as framework-dependent version, we need to install .Net Runtime on Linux. **.Net core deployment modes?**

Publishing your app as self-contained produces an application that includes the .NET runtime and libraries, and your application and its dependencies. Users of the application can run it on a machine that doesn't have the .NET runtime installed.

Publishing your app as framework-dependent produces an application that includes only your application itself and its dependencies. Users of the application have to separately install the .NET runtime.  
**What is extension methods and when to use?**

Extension methods are used to add extra methods to a type without creating a new derived type. LINQ actually adds extension methods to IEnumerable types.