1. What does the .NET ecosystem provide?

The .NET ecosystem provides an ability to write different applications for different platforms using C#, VisualBAsic and F# languages.

One can write different applications (console, web, libraries, windows etc.) for Windows, Linux, MacOS, IOS, Android platforms.

1. What are .NET implementations? Which ones are used nowadays?  
     
   .NET is implemented by different runtimes with frameworks:  
   * .NET Framework
   * .NET Core
   * Mono

And .NET Standard specification.

All of them are used nowadays.

Each of runtimes consists of Base Class Library, Common Language Runtime, and common stuff like compiler, garbage collector, just in time compiler.

1. What is CLR?

CLR is the Common Language Runtime environment which runs the intermediate language (IL) code by converting it to the machine code. It also provides additional services including [memory management](https://en.wikipedia.org/wiki/Memory_management), [type safety](https://en.wikipedia.org/wiki/Type_safety), [exception handling](https://en.wikipedia.org/wiki/Exception_handling), [garbage collection](https://en.wikipedia.org/wiki/Garbage_collection_(computer_science)), security and [thread management](https://en.wikipedia.org/wiki/Thread_management).  
The code written in C#, VB or F# is compiled to the IL cote with appropriate language compiler.

1. Why is .NET 5 a bit of a special version?  
     
   It is because .NET 5 includes .NET Standard and can be used for code sharing for all supported platforms. There will be no new releases of .NET Standard.
2. Which technologies are supported by the .NET framework?

.Net Framework supports the following technologies:

* + Console Applications
  + Windows Communication Foundation (WCF)
  + Windows Workflow Foundation (WF)
  + Windows Presentation Foundation (WPF)
  + Windows Forms
  + ASP.NET
    - Forms, MVC, WEB API
  + Azure

1. Does cross-platform development is possible in .NET? What about cross-platform UI?

Yes, cross-platform development is possible using .NET Core and .NET.  
Cross-platform app can be implemented using .NET MAUI App.

1. What does the multitargeting term mean?

Multitargeting is when you need to access framework-specific APIs from your libraries, and your project can be built for many target frameworks rather than one.