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1. Write a short note on the evolution of .NET framework and C#

.NET framework is used to build and run apps on windows. It’s part of the .NET developer platform,which support linuslx,macos, windows,iOS, android. NET was evolving into a unified technology, where the differences between core and framework versions would blur into a singular ecosystem. Today,Net has evolved into a vast technology,encompassing web,desktop

C# has roots from the C family and the language is close to other popular languages like C# and java. It is an object oriented programming language created by Microsoft that run on the .Net framework

1. Explain the following terms

\_ Mono: mono is a software platform designed to allow developer to easily create cross platform applications.

\_ Xamarin: Xamarin is am open source platform for building modern and performance application for iOS, android and windows with .Net

\_COM: The serial port interfaces found on personal computer (PC) are called COM or a communication

\_.NET core: is a new version of .Net framework,which is a free, open source, general purpose development platform maintained by Microsoft

\_ Unity C#: the language that used in unity is called c#. All the language that unity operates with are object oriented scripting language

\_Rest: is a software architectural style that was created to guide the design and development of the architecture for the world wide web

1. Critically, explain any three key functions of CLR

The common language runtime(ClR),the virtual machine component of Microsoft. NET framework,manages the execution of .Net programs just time compilation converts the managed code(compiled intermediate language code) into machine instructions