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Course Title: object oriented programing using c#

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1:The .NET framework has evolved through several versions, with the most recent being .NET 5. Originally introduced in 2002, it has expanded to support multiple programming languages and platforms. C# has been a key part of this evolution, developing from its initial release to a versatile and powerful language. The introduction of features such as async/await, LINQ, and pattern matching has shown the language's growth. The latest .NET releases have focused on open-source development, cross-platform compatibility, and performance improvements. Overall, the evolution of .NET and C# demonstrates a commitment to staying relevant and meeting the demands of modern software development.

2:what is mono?

Mono is a free and open-source project to create an Ecma standard-compliant .NET Framework-compatible software framework, including a C# compiler and a Common Language Runtime. Originally by Ximian, it was later acquired by Novell, and is now being led by Xamarin, a subsidiary of Microsoft and the .NET Foundation.

3:what is Xamarin

Xamarin is a software product for application development. The company Xamarin was taken over by Microsoft after a successful start-up period. The software for applications within Xamarin does not only focus on building for Windows as Microsoft itself often does.

4:What is com?

On the Internet, "com" is one of the top-level domain names that can be used when choosing a domain name. Usually, it describes the entity owning the domain name as a commercial organization



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5:What is .NET?

is a Microsoft web services strategy to connect information, people, systems, and devices through software. .Net makes it easier for users to share and use their information between multiple websites, programs, and computers.

6:what is a core?

A core, or CPU core, is the "brain" of a CPU (central processing unit). It receives instructions and performs calculations or operations to satisfy those instructions. A CPU can have multiple cores.

7:what is a Unity?

Unity is a real-time 3D development platform for building 2D and 3D application, like games and simulations, using .NET and the C# programming language. Unity can target 25+ platforms across mobile, desktop, console, TV, VR, AR, and the web.

8:what is a REST?

A Rest, or REpresentational State Transfer, is an architectural style for providing standards between computer systems on the web, making it easier for systems to communicate with each other. REST-compliant systems, often called RESTful systems, are characterized by how they are stateless and separate the concerns of client and server.

9:The Common Language Runtime (CLR) provides memory management, automatic garbage collection, and type safety for programs running on the .NET framework. It also enforces code access security and facilitates cross-language integration, allowing languages like C# and VB.NET to seamlessly interoperate. These functions ensure robust, secure, and versatile execution of .NET applications.

