



ممم جداً

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20٪ مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

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لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع لا تنسونا من دعائكم

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Programming - Level 1

What is CLR?

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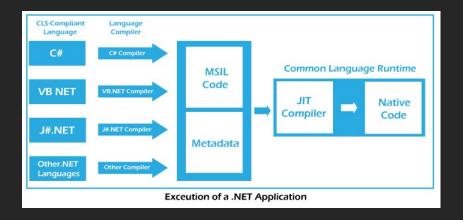


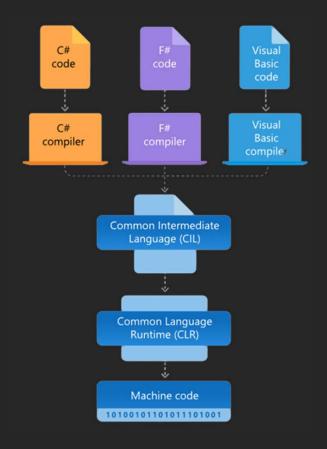
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Compilation

• CLR is a Real Life Translator.







Common Language Run Time (CLR)

- CLR stands for Common Language Runtime. It is a key component of the .NET platform and is <u>responsible for executing .NET applications</u>.
- The CLR is the runtime environment in which .NET applications are executed. It
 provides a number of services to .NET applications, including memory
 management, type safety, security, and exception handling.
- The CLR also manages the execution of .NET code, handling tasks such as just-in-time (JIT) compilation, thread management, and garbage collection.
- In essence, the CLR <u>acts as a bridge between the .NET code and the underlying operating system</u>, allowing .NET code to run on any supported platform.
- This allows .NET developers to write code in any .NET-supported language and have it run on any supported operating system, without having to worry about the underlying hardware and software details.



