

# Complete Lecture

*Monday, October 31, 2022*

*dhd-vqte-rfs*

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**You :** A compiler translates, the code

**Aman Shah 27 :** Compiler translates.

**You :** written in one language to some other language without changing the meaning of the program. It is also expected that a compiler should make the target code efficient and optimized. In terms of time and space, Compiler, design principles, provide an in-depth view of translation and optimization process. Compiler design, covers basic translation, mechanism, and error detection, and recovery. It includes lexical syntax and semantic analysis as frontend, and code, generation and optimization as backend.

**Aman Shah 27 :** We have learned that any computer system is made of hardware and software the hardware understands the language, which humans cannot understand. So, we write programs in high level language, which is easier for us to understand and remember, These programs are then fed into a series of tools and OS components to