Complete Lecture

You : A compiler translates, the code 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 principle provides 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. Language Processing System. We have learned that any computer is made up her 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, this programs are then fed into series of tools and OS components to get the desired code that can be used by the machine. This is known as natural language processing.