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Assignment

- 1.) A translator is a programming language processor that converts a computer program from one language to another. It takes a program written in source code and converts it into machine code. It discovers and identifies the error during translation.
- 2 a) **Assembler:** An assembler is a program that converts assembly language into machine code. It takes the basic commands and operations from assembly code and converts them into binary code that can be recognized by a specific type of processor. Assemblers are similar to compilers in that they produce executable bits.
- b) **Compiler:** A compiler is a special program that processes statements written in a particular programming language and turns them into a machine language or "code" that a computer's processor uses.
- c) **Interpreter:** This is a program that executes

Instructions written in a high-level language without requiring them previously to have been compiled into a machine language program.

- 3) It is easy to write, debug and maintain.
- a) It provides higher level of abstraction from machine language.
- b) It is easy to learn.
- c) It results in better programming productivity.
- d) It is machine independent language.