CS220 – Computer Organization

Assignment #1

1. Why do computer manufacturers provide an assembly language specification when what the computers execute is machine language?
2. What is the difference between a compiler and an assembler?
3. A computer can be designed to execute a high-level language directly. Why not design this type of computer?
4. Does a compiler need to be written in assembly language?
5. Can an assembler be written in a high-level language?
6. How is Moore’s Law relevant to programmers?