1. Describe the virtual machine concept
   1. Computers are constructed in layer, so that each layer represents a translation layer from a higher-level instruction set to a lower-level instruction set.
2. Why do you suppose translated programs often execute more quickly than interpreted ones?
   1. Translated program is faster because it is coded in a language that can be directly executed on the target machine.
3. (True/False): When an interpreted program written in language L1 runs, each of its instructions is decoded and executed by a program written in language L0.
   1. T
4. Explain the importance of translation when dealing with languages at different virtual machine levels.
   1. L1 program is converted into a L0 program by an L0 program specifically designed for this purpose. The resulting L0 program is executed directly on the computer hardware.
5. At which level does assembly language appear in the virtual machine example shown in this section?
   1. Level 3