Homework 1
McKinney CE311K

1. Name the four generations of electronic computers and their respective years of inclusion.

   1)

   2)

   3)

   4)

2. State the six elements of microcomputer system hardware and the purpose of each element. Give examples of each element.

   1)

   2)

   3)

   4)

   5)

   6)

3. What are RAM and ROM? What are the differences between them?

   a) RAM

   b) ROM

4. Define the following terms:

   a) bit

   b) byte

   c) nibble

   d) word

   e) kilobyte (KB)

f) megabyte (MB)

g) gigabyte (GB)

5. What is the difference between a high-level language and a low-level language? Give examples of each.

   a) high-level language

   b) low-level language

6. What is the difference between a compiler and an interpreter? Give example languages for each.

   a) compiler

   b) interpreter