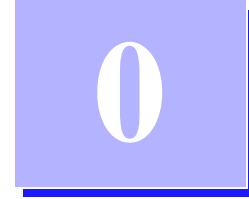# Solutions to Quick Check Questions

0

Introduction to Computers and Programming Languages

0.1 A History of Computers

1. Who was the first computer programmer?

   Ada Lovelace, daughter of Lord Byron.

2. Who designed the Difference and Analytical Engines?

   Charles Babbage.

3. How many generations of computers are there?

   Four.

0.2 Computer Architecture

1. Name five major components of a computer.

   CPU, RAM, Input and Output devices, Secondary storage devices, and Communication Devices.

2. What is the difference between volatile and nonvolatile memory?

Volatile memory loses its contents when the power to a computer is removed. Non-volatile memory retains its contents even after the power to a computer is removed.

3.   What does the acronym CPU stand for?

Central Processing Unit, frequently characterized as the brain of a computer.

4.   How many bytes does the 64KB RAM have?

64 ∗ 1024 = 65,536 bytes.

5.   Which device connects a computer to the Internet using a phone line?

A communication device called modem.

0.3   Programming Languages

No Quick Check questions.

0.4   Java

No Quick Check questions.