CS 220
Homework Assem01

Reference:
Wikipedia

Problems
AS1.1. Define little-endian and big-endian. List three examples of both little-endian and big-endian architectures.

AS1.2. Assume the 32-bit integer \(-17958194_{10}\) (\(\text{FEEDFACE}_{16}\)) is stored at memory location 1000. What byte value (in hexadecimal notation) would be stored at each of the addresses 1000, 1001, 1002, and 1003 on a big-endian architecture? On a little-endian architecture?

AS1.3. What is contained in the data, bss, and text sections of a program? What does “bss” stand for?

AS1.4. Give three examples of compiled languages other than the three (C, C++, Fortran) mentioned in lecture. Give three examples of interpreted languages other than those (Scheme, Perl, Python, Window batch, UNIX shell) mentioned in lecture.