

Assembly Language

Assignment 1

This assignment is individual assignment, every student should complete by himself

Worth: 40 Points

1. (4 points) Convert 3FC16 to decimal
2. (4 points) Convert DEA5616 to binary.
3. (4 points) Convert 101011010110101100011010100111012 to hexadecimal
4. (8 points) Given the 8-bit, signed number 01101110, what is its decimal equivalent? What is its inverse (in binary)?
5. (4 points) What is the largest number that can be represented by a 16-bit signed number?
6. (4 points) What is the above number in hexadecimal?
7. (4 points) Convert the 16-bit, signed number ADF316 to decimal.
8. (4 points) How many bits are required to represent -51310 in two's compliment?
9. (2 points) What is the binary representation of this number?
10. (2 points) What is the hexadecimal representation of this number?