Quiz 1 Solution

Question 1.

Why Assembly language is not portable among machines with different processors?

Answer:

Different processor might have different instruction sets and different version of assembly language tailored for the specific processor.

Question 2.

Assume 8-bit registers are used. Evaluate the subtraction operation (9 – 16) using two's complement arithmetic in binary system. Convert the result back to signed decimal. Show all the steps of the computation in details.

D Hip the bits: 00000 110

2) Add 1: 00000 001 (t) this is 7. indecional

result is (7)

Question 3.

Convert decimal 387 to hexadecimal. Show all the steps of computation. No Points if you don't show the work.

