

After his lecture you should be able to answer the following questions:

1. Convert between Base10 number and Binary
2. Add and subtract Integer binary number
  - a. using two complement addition.
  - b. show the carry and determine overflows.
3. Multiply integer numbers using booth's algorithm
4. How are real number represented?
5. What the character representations?

Multiple choice questions (answers on the last page)

1. Floating point numbers are stored in what notion in memory?
  - A. Computer notation
  - B. Scientific notation
  - C. Integer notation
  - D. A 2's compliment integer number
2. A floating point number that is too small to represent is called?
  - A. Overflow
  - B. Underflow
  - C. Round error
  - D. Tiny
3. A 7-bit character representation is called?
  - A. BCD
  - B. EBCDIC
  - C. ASCII
  - D. Unicode

1. b, 2. b, 3. c