## 16.317: Microprocessor Systems Design I

Spring 2015

Lecture 22: Key Questions March 27, 2015

1.	Describe how to write PIC code to implement operations that deal with two registers
	(e.g. moving the contents of one register to another; adding two registers).

2. Describe how to implement conditional jumps.

3. Describe how to implement simple rotate operations and multi-bit shift/rotate operations.

- 4. Translate these x86 operations to PIC code. Assume that there are registers defined for each x86 register (e.g. AL, AH, BL, BH, etc.)
  - OR AL, BL

• SUB BL, AL

• JNZ label

• JB label (B = below = unsigned less than)

• ROL AL, 5