Chapter 8 Discussion

Chapter 8.1-8.3 and 8.5 (pp 383-408 and 417-425)

Parameter passing mechanisms

- Work in small groups
- Don't look at the text or your notes
- List as many parameter passing mechanisms as you can recall.
 - For each mechanism list a feature it enables or a benefit it supplies

Call by value

The following E3 program passes parameters by value.

- At the end of the program what holds? choose 1
 - X has value 5
 - Y has value 5
 - Y has value 0

Call by reference

The following E3 program passes parameters by reference

- At the end of the program what holds? choose 1
 - X has value 2
 - Y has value 2

Call by value-return

The following E3 program passes parameters by value return

- At the end of the program what holds? choose 1
 - X has value 1
 - Y has value 2
 - Y has value 9

In and Out parameters

- Work in small groups
- Don't look at the text or your notes
- What's the difference between In, out, CBV, and CBR?