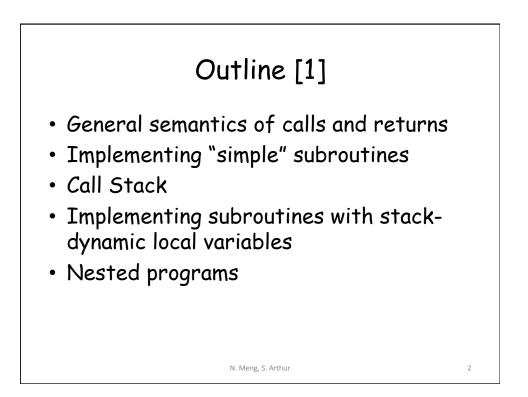
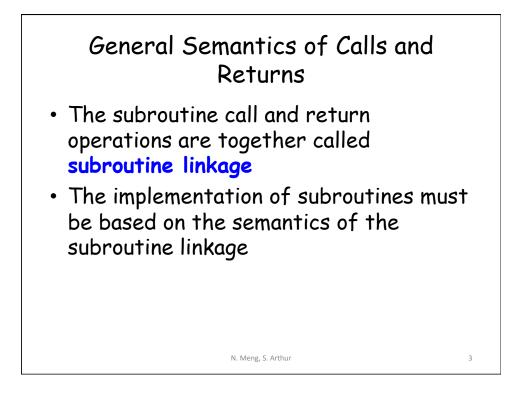
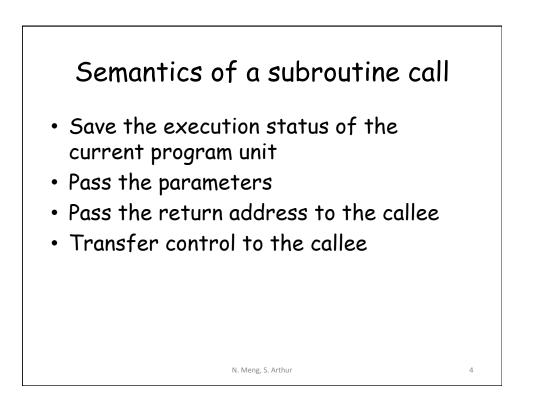
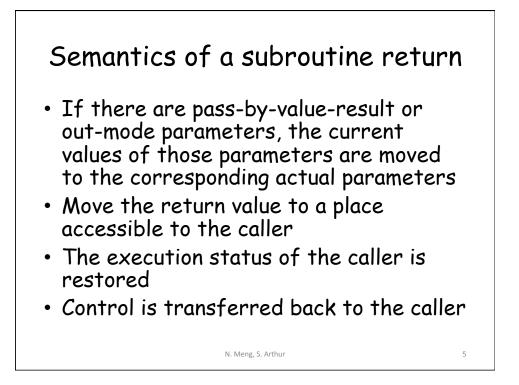
Implementing Subroutines

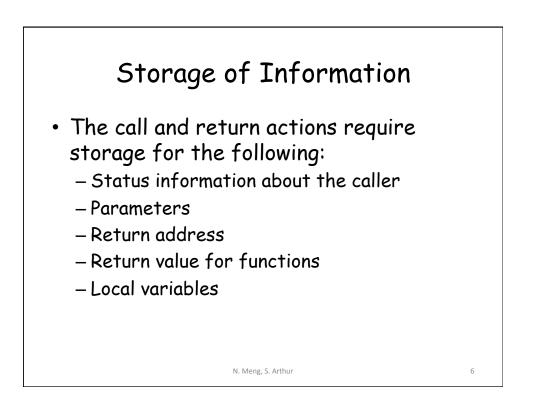
In Text: Chapter 9

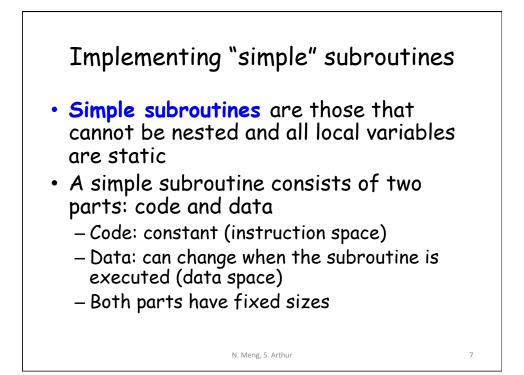


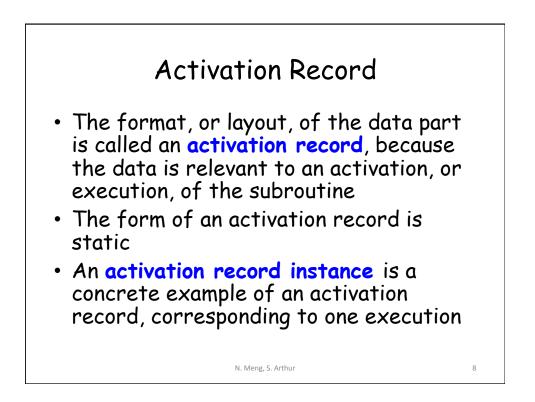


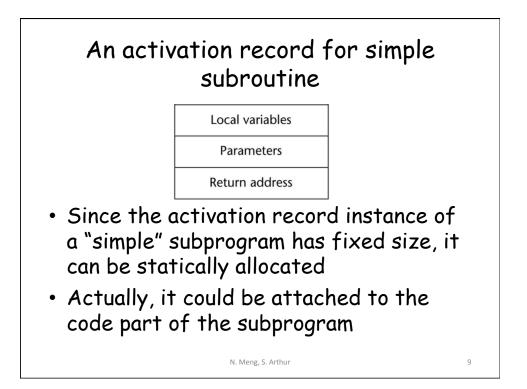


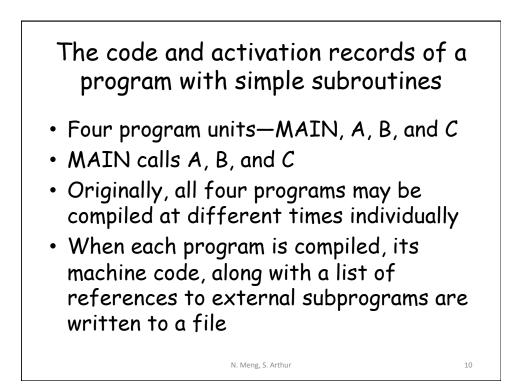


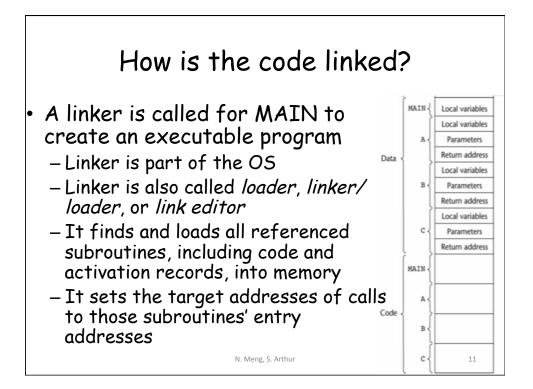


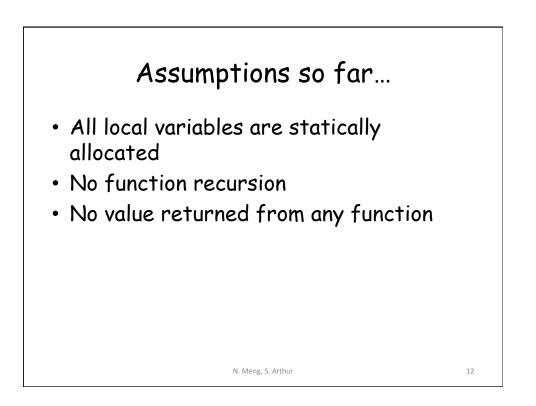


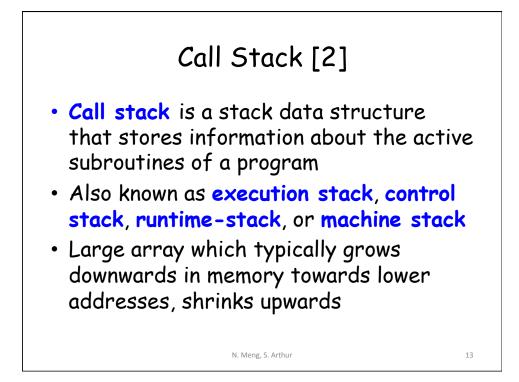


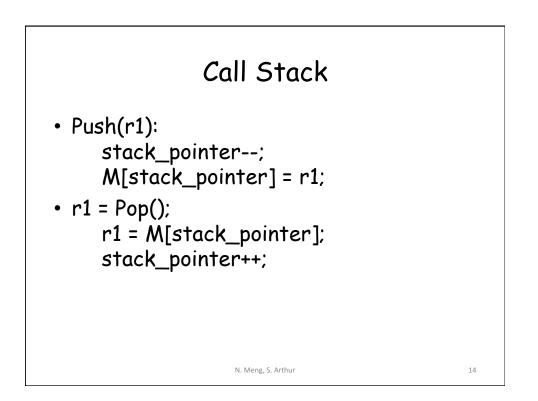












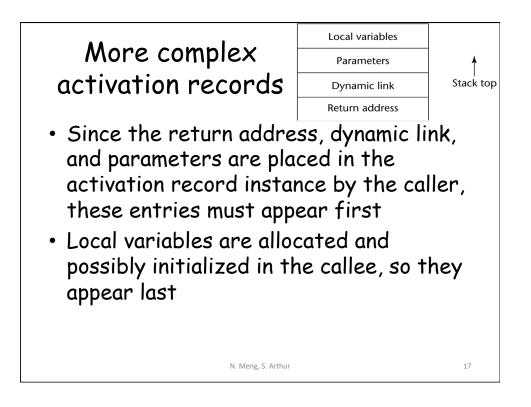
15

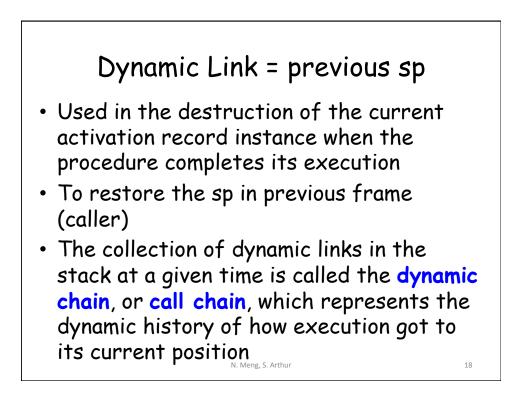
Call Stack

- When a function is invoked, its activation record is created dynamically and pushed onto the stack
- When a function returns, its activation record is popped from the stack
- The activation record on stack is also called stack frame
- **Stack pointer(sp)**: points to the frame top
- Frame pointer(fp): points to the frame base

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