

# CSE 3302

Lecture 10: Memory management  
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- Some content from
  - Tim Teitelbaum, Cornell CS 412 slides, 2008
  - Jones, Garbage Collection

# Memory management

- Global memory
  - allocated at a fixed location in the process
  - static fields in Java, singleton objects in Scala, globals and statics in C, module-scoped variables in ML, M3
- Stack
  - local variables, formal parameters, this
  - local arrays
- Registers
  - local variables, ...
- Heap
  - dynamically allocated data structures