- Notes on 02-19-18
- References:

O.S.

1. Process/Thread management
    - scheduling deadlocks
2. Memory Management
    - Partition
    - Segmentation
    - Paging
3. Files
4. Users
5. ....

Source code -> Compiler -> Binary (not necessarily executable) -> Linker -> .exe -> loader -> CPU Run

Swapping memory is usually used in partitioned memory.

Partition

Segmentation

- Memory-management scheme that supports user view of memory
- A program is a collection of segments
    - A segment is a logical unit such as:
        - Main Program
        - Procedure
        - Function

- Method
- Object
- Local variables, Global variables
- Common Block
- Stack
- Symbol table
- Arrays
- Tag on bits to say where the memory is.

Paging

- Fixed-size pages
- memory uses frames
- page table
  - maps pages to physical frames.