Network Programming

Process Memory Space

Note: **This class lecture will be recorded!**
If you do not consent to this recording, please do not ask questions via your video, audio or public chat; send your question to the instructor using the private chat.
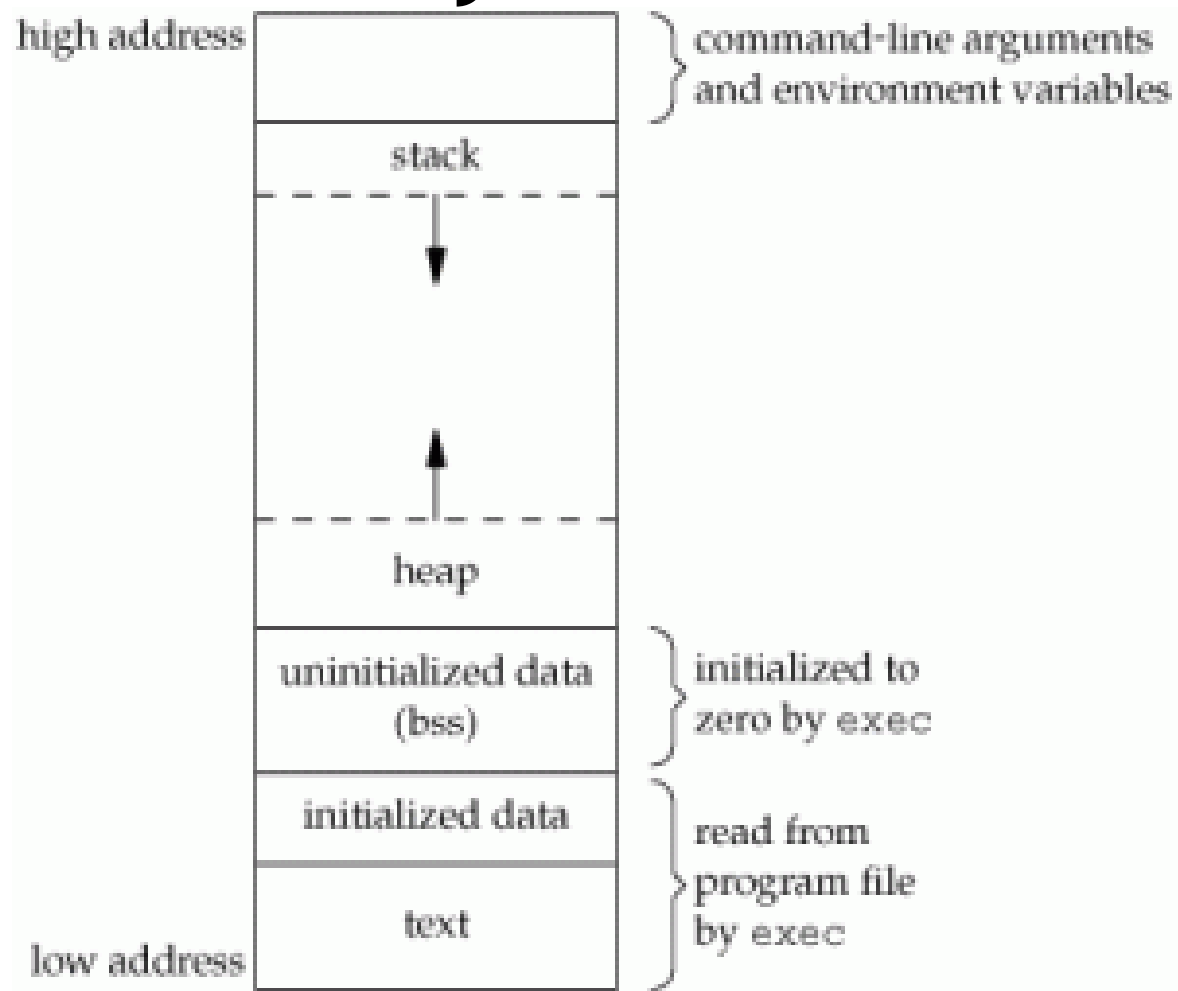
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Memory Segments

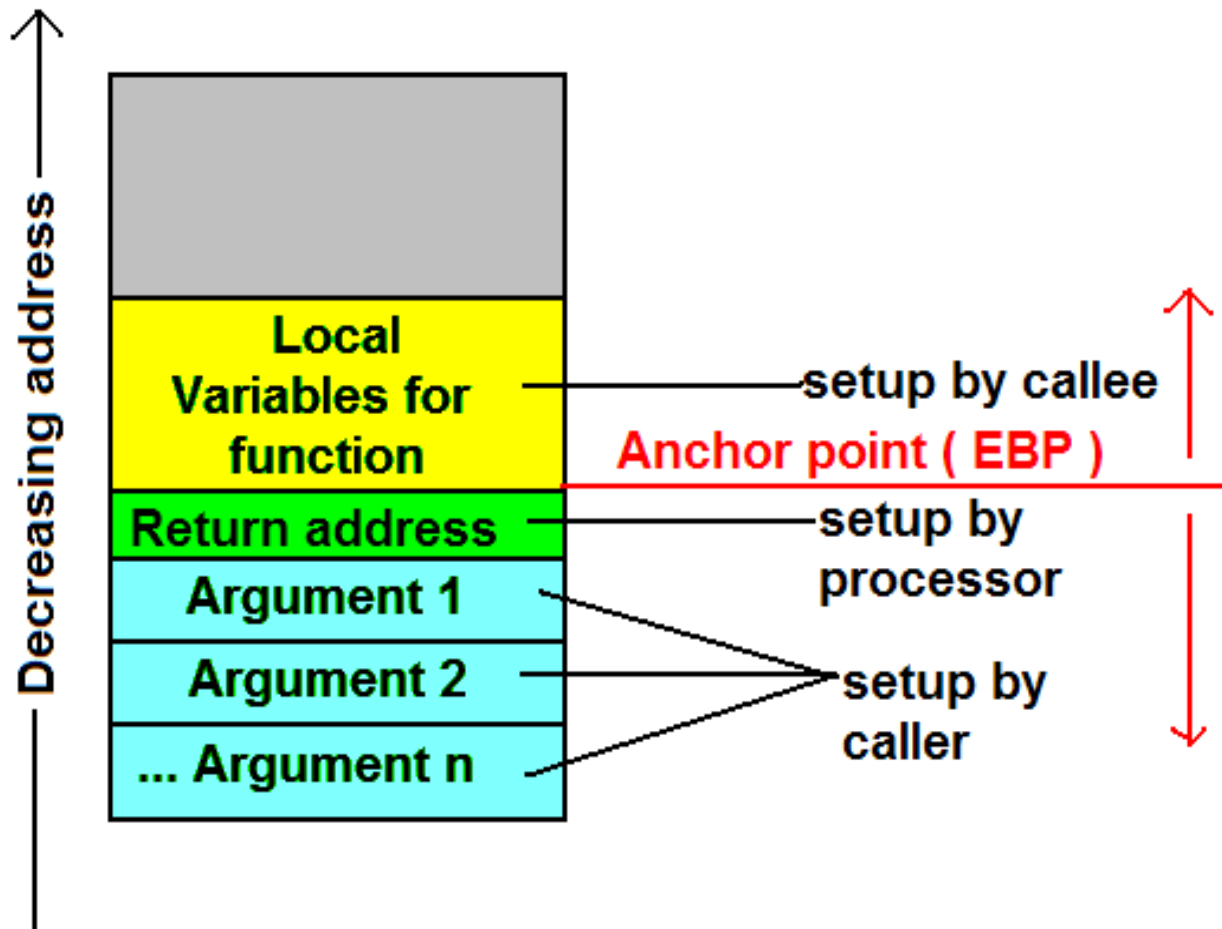▶ Text segment

▶ Data segment

▶ Stack segment

▶ Heap segment

Process Memory

From: http://www.geeksforgeeks.org/memory-layout-of-c-program/

Stack

- Stack Frames / Activation Records
- LIFO
  - What are the possible operations on the stack?
- Stack Pointer
- Stack Overflow

Function Call → Stack Frame

Heap

▶ Dynamic Allocation

▶ When is memory allocated in the heap?

▶ How is heap memory accessed?