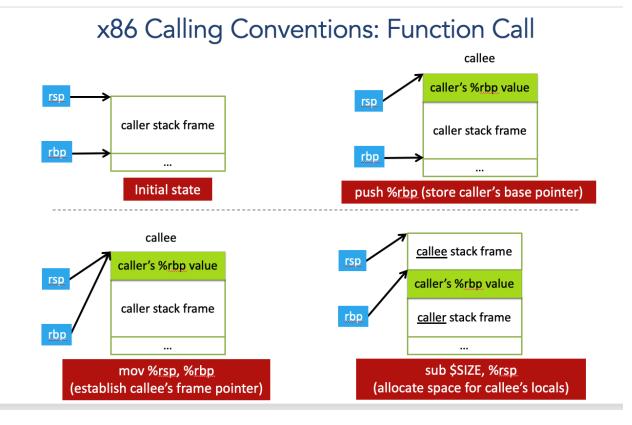
CS31 Worksheet: Week 7: Arrays and Pointers



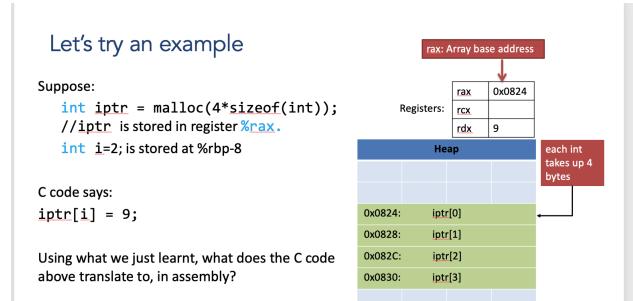
Given the figure above, can you describe in figures, and words the sequence of instructions to return from a function call?

If we need to place arguments in the caller's stack frame, should they go above or below the return address?

Which expression would compute the address of iptr[3]?

- A. 0x0824 + 3 * 4
- B. 0x0824 + 4 * 4
- C. 0x0824 + 0xC
- D. More than one (which?)
- E. None of these

Неар			
0x0824:	iptr	[0]	
0x0828:	iptr	[1]	
0x082C:	iptr	[2]	
0x0830:	iptr	[3]	



Why do we want to align data on multiples of the data size?

- A. It makes the hardware faster.
- B. It makes the hardware simpler.
- C. It makes more efficient use of memory space.
- D. It makes implementing the OS easier.
- E. Some other reason.

Struct field syntax...

