

10/8/15 Pre-Class Work

* Required

Harvard email address: *

Please indicate which course you are taking. *

- CS61 (College)
 CSCIE-61 (Extension)

Cache Replacement Policies

For the following questions, assume a 3-slot cache and the following set of accesses: A, B, C, D, D, D, A, C, B, E, C, A, A, C, D, D *

Assuming LRU: what is the hit rate?

- Not enough information to determine
 6/16
 7/16
 8/16

*

Assuming MRU (replace the most recently used): what is the hit rate?

- Not enough information to determine
 6/16
 7/16
 8/16

FIFO (first in first out) is a replacement algorithm that always replaces items in the order in which you brought them into the cache. *

Assuming FIFO: what is the hit rate?

- Not enough information to determine
 6/16
 7/16
 8/16

If you could predict the future ... *

Assuming Belady's algorithm: what is the hit rate?

- 12/16
- 10/16
- 9/16
- 8/16

Review Questions

Where will you find registers? *

- On the stack
- On the heap
- On the processor
- On a memory DIMM

Where will you find caches? *

- On cores
- On a processor chip
- In the operating system
- In the stdio library
- All of the above

Buffer overflow attacks inevitably *

- Send you to jail
- Clobber data on your heap
- Overwrite data in your registers
- Overwrite return addresses on the stack

Sections

Section attendance remains dismal. I have given the TFs carte blanche to become grumpy when asked questions about topics that have been covered in section. Since many of you are not attending section, let's see if we can figure out ways to remedy that.

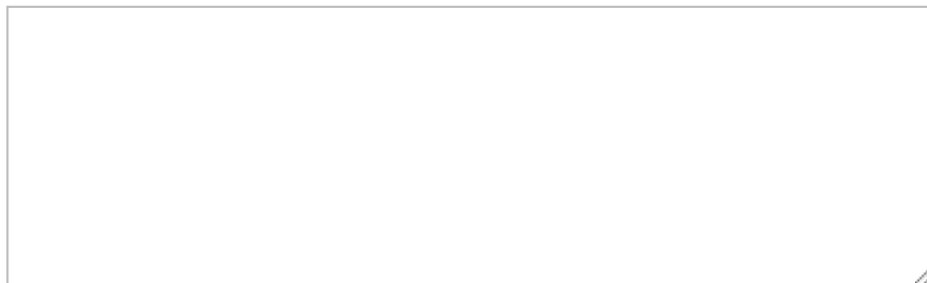
Did you attend section this week (10/5)? *

- Yes
- No

(If you attended section) How useful did you find it?

(If you attended section) What would you change about this week's section?

Thank you!



Did you attend section last week (week of 9/28)? *

- Yes
 No

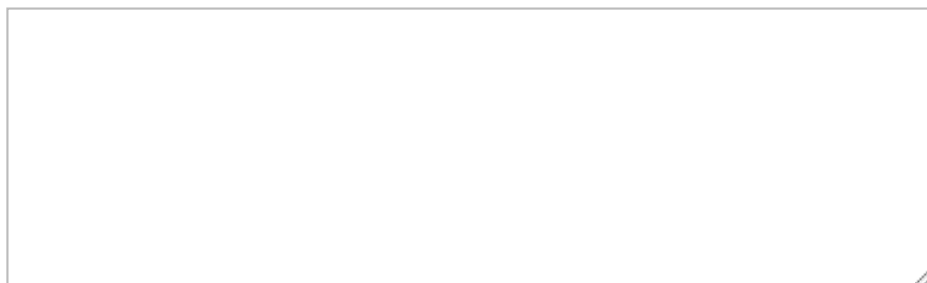
Did you attend section the week of 9/21? *

- Yes
 No

Which of the following sections could you attend? *

- Monday 1 PM
 Monday 4 PM
 Monday 8:45 PM
 Tuesday 4 PM
 Wednesday 4 PM
 Wednesday 7:30 PM

If you do not attend section, what would make you come to section?



Would you be interested in attending a section designated for "those feeling less comfortable with the material?" *

- Yes
 No

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