

COMP1511 19T1

Week 6, Thursday: Reference and Dereference

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references and indirection
pointers, addresses, memory

Assignment 1: Coco

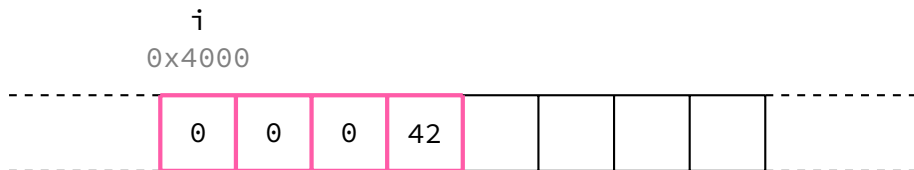
out now ... start soon, or forever receive the Douglas!
extra help sessions now on (Mon AM, Thu AM, Fri PM),
see WebCMS 3 for details

No Marc!

on week06tue, week06thu, week07tue
lectures by Jashank, instead.



memory is a linear array of lots of boxes: bytes

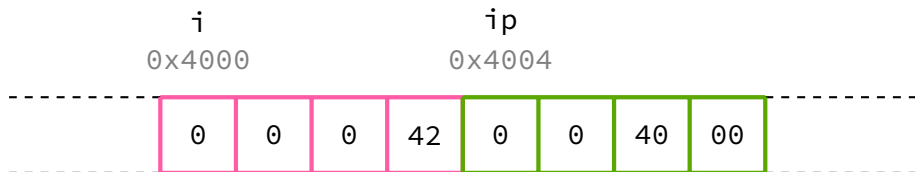


memory is a linear array of lots of boxes: bytes

variables are a group of bytes:

```
int i = 42;
```

variables have size, location



memory is a linear array of lots of boxes: bytes

variables are a group of bytes:

```
int i = 42;
```

variables have size, location

variables can store locations of other variables

```
int *ip = &i;
```

&

reference

‘where is this variable in memory?’

*

dereference

‘what’s at this location in memory?’