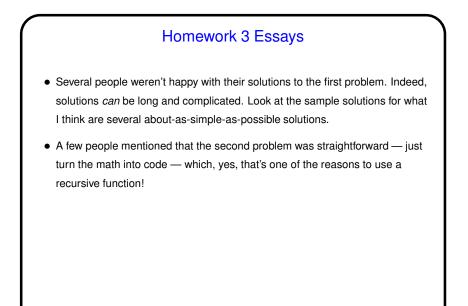


Minute Essay From Last Lecture
No clear consensus on how to get seconds per hours, etc. — some people calculated, some used Web search, and a few …
A few did the calculation in the program. To me this is better! more readable, less chance of getting it wrong.

Slide 2

1

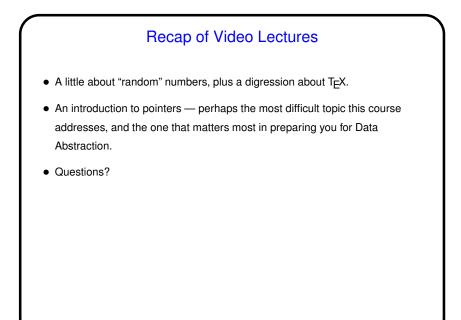


Slide 3

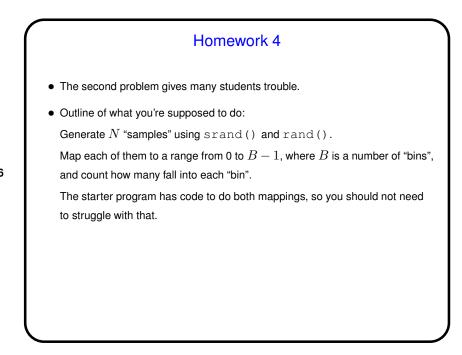
Slide 4

main() Revisited
• main() should (for now) be declared
int main(void)
(There's an alternate form used when you need access to command-line arguments. A topic for next week!)
Note that in C this is subtly different from
int main()
• Return value from main () should be zero if the program "worked" (whatever that means), something else if it didn't. Appropriate values for the "something else" are somewhat implementation-dependent. If you want to do a really good job of this, #include stdlib.h and use
EXIT_SUCCESS and
EXIT_FAILURE.

 $\mathbf{2}$



Slide 5



Slide 6

Slide 7

Practice Problem

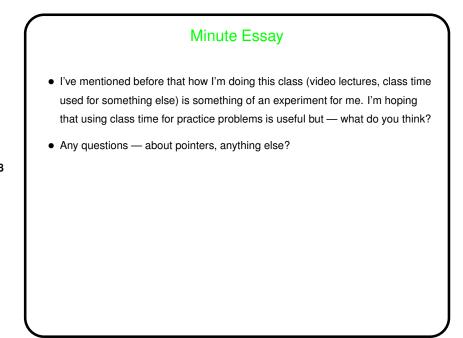
• In CSCI 1312 I use as an example of somewhat complex logic a program to find the real roots of a quadratic equation

$$ax^2 + bx + c = 0$$

using the formula

$$\frac{-b \pm \sqrt{b^2 - 4aa}}{2a}$$

- I like to structure the program with a function to compute the roots and one to "demo" it for selected cases.
- I've put starter code and sample output in /users/bmassint/TEMP1120/Pgms/. Your mission is to fill in as much as you can in the time we have. "Turn in" answers as previously.



Slide 8