

Wednesday, September 14

**Your first test will be on Thursday,
September 22.**

**Note from Coordinator Dheeraj: (also
posted on Campuswire)**

Hello everyone,

Here are some reminders about Exam 1:

Exam 1 will be available from 12:00 AM to 11:59 PM (EST) on Thursday, September 22nd on Brightspace.

There will be 25 multiple choice questions and once you start the exam, you will have 60 minutes to complete the exam.

Only one submission is allowed per student, so make sure that you've checked your answers before submitting the quiz.

A practice exam containing 10 questions is posted on Brightspace

The practice exam module also contains instructions on how to install and use Respondus Lockdown browser.

Make sure that you are able to install the browser on your device and complete the practice exam without any technical troubles in order to be prepared for Exam 1.

If you are having any trouble with the lockdown browser, reach out to the instructional support staff (instruction@cs.purdue.edu) as soon as possible.

If you are unable to take the exam on 22nd for any valid and documented reasons, reach out to me (dpeddire@purdue.edu) by the end of this week so that we can make some alternate arrangements.

Regards,
Dheeraj

Topics for today:

Do the reading assigned on Monday, though we will only cover 5.1, 5.2, 5.3 and a bit of 5.5.2 today. We will see the other material in the next week or two (going by last semester's syllabus).

What we covered today:

How each character is represented in single byte, in

binary. So a 64-bit word can hold 8 different bytes.

How to use "ord(c)" to find the binary representation of c when c is a character

How to use bin(), oct(), hex() to get binary, octal and hexadecimal representations

How to do a right shift of a byte (actually a whole computer word) using >>. (It's equivalent to an integer divide by 2)

Similarly, << does a left shift of a computer word (it's equivalent to an integer multiply by 2)

How to read a string and (a) print each character, (b) find and print the binary representation of the character (using lists).

Strings are immutable, lists are mutable

Some methods(functions) change the object to which you apply them, and others don't.

How to travel forwards and backwards through a string or list, how to use the len() function and negative indices.

How to use the reverse() method on an object, and also how to write your own function to do this reverse()

How to check if an integer is odd or even with your own function

The meaning of slicing, repetition and concatenation

How to traverse a structure such as a string or a list and print elements one at a time. We used "slicing" to traverse the string, and a simple item-by-item loop to traverse the list.
