

CS100J October 23, 2003

Arrays. Reading: Secs 8.1, 8.2, 8.3, 8.4

This weekend, we will put on the website about 30 exercises dealing with loops. We will include the answers (if not immediately, then some time early next week).

Have you worked on assignment A6 yet?

Don't procrastinate! It's easy to do if you do a little at a time, at your leisure. It's hard to do at the last minute, because you can't think straight and you can't easily ask anyone questions.

Question: Why did I get a Christmas card on Halloween?

Why did I get a Christmas card on Halloween?

Decimal	Binary	Octal	Decimal	Binary	Octal
00	0000	00	14	01110	16
01	0001	01	15	01111	17
02	0010	02	16	10000	20
03	0011	03	17	10001	21
04	0100	04	18	10010	22
05	0101	05	19	10011	23
06	0110	06	20	10100	24
07	0111	07	21	10101	25
08	1000	10	22	10110	26
09	1001	11	23	10111	27
10	1010	12	24	11000	30
11	1011	13	25	11001	31
12	1100	14			
13	1101	15			

BECAUSE:

Today

- Write a loop to determine the length of the longest prefix of equal values in an array (like question 1 on the prelim).
- Write a method to tell whether two arrays are equal.
- Look at storing a table of values in a Java array.

including adding a value to the table,
deleting the last value of the table,
deleting some other value from the table.

The material on tables is in Sec. 8.4 of course text.

- Start looking at basic array algorithms.

Basic array algorithms are covered in Sec. 8.5