

CS16, 10S, **H11**, due **Mon Lecture 04.26**—Array Initialization (Etter, Chapter 4, Section 5.1)—Total Points: 50

Available online as <http://www.cs.ucsb.edu/~pconrad/cs16/10S/homework/H11>—printable [PDF](#)

Name: _____ Umail _____
(4 pts) Address: _____ @umail.ucsb.edu
(4 pts)

Lab Section (2 pts)—circle one: 9am 10am 11am noon unknown

(Note: For now, circle the lab section you are registered for on GOLD. If you need to request attendance at a different lab section because of an ACTUAL SCHEDULE CONFLICT, please email pconrad@cs.ucsb.edu with details)

This assignment is due IN Lecture on Monday, 04.26.
It may ONLY be submitted Lecture, in Chem 1171 at 1pm on Monday.
You must come IN PERSON to turn it in during your assigned Lecture section.

Late Policy: No email submission allowed—and don't "slip it under my door". If you need to make it up, you must do so during office hours, or make an appointment to see me, and you must request this appointment within 48 hours of when the assignment was originally due.

Personal Day/Sick Day policy: Everyone is permitted one "personal day/sick day" when you get to make up a missed homework assignment for free during office hours or via appointment. After that, you may not make up the homework assignment—you can only earn back the points through extra credit opportunities.

(For more details, see the [syllabus](#) and the [homework policy](#))

Your reading assignment for Monday includes Chapter 4, and pages 207-212 of Chapter 5 in your Etter textbook (the first part of Section 5.1).

Chapter 4 covers functions—and a lot of it will be review, since we've already been doing a lot with functions in the course—you've seen them in the homeworks, labs and lectures.

So, you should start reading Chapter 4—but having said that, the rest of the questions on this homework mainly pertain to pages 207-212 of section 5.1. If you want to skip ahead in your reading, that's ok—nothing on pages 207-212 (or on this homework assignment) depends on the material in Chapter 4.

You may work with one other person on this assignment—he/she may be your pair programming partner, or someone else in the course. If you do work with another person, please write his/her name on the line below. (You still must BOTH hand in the homework separately though).

Please turn over for more questions to answer

Continued from other side

Read pp 207-212 of Section 5.1 in your Etter textbook. Then answer these questions:

1. Here are several different definitions of the function `doIt()`—`doIt1()`, `doIt2`, etc. In each case, indicate what would be printed when the function is called.

a. (10 pts)

```
void doIt1()
{
    int a[] = {30,40,50};
    printf("%d\n",a[2]);
}
```

b. (10 pts)

```
void doIt2()
{
    int a[5] = {0};
    printf("%d\n",a[2]);
}
```

c. (10 pts)

```
void doIt3()
{
    int a[5] = {1};
    printf("%d\n",a[2]);
}
```

d. (10 pts)

```
void doIt4()
{
    int a[5];
    int i;
    for (i=0; i<5; i++)
        a[i] = (i+1)*2;
    printf("%d\n",a[2]);
}
```