CS16, 10S, **H09**, due **Fri Lab 04.23**—File input, Etter 3.6—Total Points: 50

 $Available \ online \ as \ \underline{http://www.cs.ucsb.edu/\sim} pconrad/cs16/10S/homework/\underline{H09} - printable \ \underline{PDF}$

Name (4 pts)			Umail Address: (4 pts)			@umail.ucsb.edu		
Lab S	ection (2 pts)—circle one:	9am	10am	11am	noon	unknown		
	For now, circle the lab section you are registered for ICT, please email pconrad@cs.ucsb.edu with detail	•	ou need to re	equest attend	ance at a dif	ferent lab section becau	use of an ACTUAL SCHEDULE	
It m	This ass nay ONLY be submitted Lab, You must come IN F		3 (Coop	er Lab)	at 9am	, 10am, 11am	•	
	licy: No email submission allowed—and don't "sl and you must request this appointment within 48 h		-			ust do so during office	hours, or make an appointment t	
	al Day/Sick Day policy: Everyone is permitted on ppointment. After that, you may not make up the l							
	ore details, see the syllabus and the homework poli	_	Ţ	,	1	J	11	
Read S	Section 3.6 in your Etter textbook.							
Then a	answer these questions:							
1.	(5 pts) In addition to using command I read it from a data file.	ine arguments	, and scan	of, there is	a third wa	ay we can get inpu	nt into a program—we can	
	According to your textbook, when you access a data file in a program, you need a special kind of variable called a file pointe							
	What is the line of C code that you wo	ould need to wi	rite to dec	lare a file	pointer w	ith the variable na	ime earthquakeData?	
2	(5 pts) There is a function you must es	all to associate	the veriel	ale with a	file on the	a digk		
۷.	(5 pts) There is a function you must call to associate the variable with a file on the disk. Suppose you want to read data from a file called "earthquakes.dat"							
	What line of code would you write to associate the file "earthquakes.dat" with the file pointer you declared in the previous problem?							
	Please turn over for question	ns to answe	er					

Continued from other side

3.	The answer to the previous problem involved a certain function. When you call that function, you sometimes get back a value of NULL.
	a. (5 pts) What does it mean when that happens?
	b. (5 pts) Why is it important to check for that by saying something like if (earthquakeData == NULL) after calling that function?
4.	There are various ways to read data from the file after it is opened. One of them is a function discussed in section 3.6. a. (5 pts) What is the name of that function?
	b. (5 pts) Write a function call that invokes this function to read a single number from earthquakeData into the variable magnitude.Assume that magnitude is of type double.
5.	(10 pts) What function call should your program make when it is finished with the data file associated with the variable earthquakeData?
End of	H09