

Recitation Assignment #2: User Input and String Methods

CS0007

Due: May 26th, at 11:59 PM

Instructions

The goal of this assignment is to test your ability to take user input and use it in string methods as well as arithmetic operations. You will take a user's first name, and two floating-point numbers. You are to then display the first letter in the user's name, and display the result of the multiplication of the two numbers. More specifically, you should perform the following steps:

1. Declare 3 variables: one for the user's name, one for the user's age, and one for a number of years (the age and years should be integers)
2. Prompt the user to type their name, then their age, then a number of years. When they do, collect the data in the variables declared above
3. Display to the user her name, how many characters long her name is, and what the first letter in her name is.
4. Display to the user the number of years she entered, how old she will be in that many years, and how old someone half her age is (this should be able to display half years if necessary).

Note: I want you to follow exactly this form for both what the user see's when she is displayed information, and when she has to type. In the following example the user enters "Eric" for his name, "25" for his age, and "13" for the number of years:

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Enter your name: Eric
Enter your age: 25
Enter a number of years from now: 13
Eric, Your name is 4 characters long and begins with the letter E.
In 13 years you will be 38 years old and someone half your age is 12.5 years old.
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You are required to have sufficient internal documentation for your program. This is meant to be AN INDIVIDUAL ASSIGNMENT. Also, taking large segments of code from other sources without citing is plagiarism. The majority of this assignment should be YOUR OWN ORIGINAL WORK. I recommend getting a small storage device such as a flash drive to save your work on. You can get these for under \$20 at any Radio Shack, and many other stores. When you are done submit your project by zipping up the project folder and FTPing it to the drop box for this course as described in class and here: <http://www.cs.pitt.edu/~eth13/cs0007/submissionGuidelines.html>. On the course webpage there is a grading rubric which I will be grading from. Keep this in mind while doing the assignment.