

CPSC 217 Exercise 1: Human Years and Dog Years

Due: Wednesday May 15, 2024 at 11:55pm

This exercise may be completed individually or as part of a group. If the exercise is completed as a group then all members of the group are expected to make a meaningful contribution to the solution.

Task:

Create a program that reads a person's name and age. Display the person's name and age, along with their age in dog years as part of the output message. Multiply a person's age by 7 to determine the age in dog years. **Ensure that your program works correctly for both integer and real number ages.**

You may use the output message shown in the samples below, or create a message of your own that incorporates **all three of the required elements** along with some other text to create a humorous message. Any custom messages should be family friendly.

Example input and output #1 (user input is shown in bold):

Enter your name: **Bob**

Enter your age: **7**

I can't believe that Bob is 7.0 years old! That's 49.0 in dog years!

Example input and output #2 (user input is shown in bold):

Enter your name: **Jane**

Enter your age: **31**

I can't believe that Jane is 31.0 years old! That's 217.0 in dog years!

Grading:

We will run your program twice, testing it with two different sets of input (which may be different from the examples shown above). The following chart shows the grade that will be earned based on the number of test cases that generate correct results:

Test Cases Passed	Grade
2	A
1	C
0	F

Submission Instructions:

Submit your solution as a Python source code (.py) file electronically to the Exercise 1 drop box in D2L.

You do **not** need to submit a paper copy of your solution. If you choose to complete this exercise as part of a group then each member of the group must submit a copy the assignment using D2L.