

There are 6 questions, worth a total of 60 points.

All of your programs must have exactly the name listed in the assignment. Each program should have a comment at the beginning with your name, the date, and a description of the program's intended behavior.

ftoc.py 10 points

The program should ask the user to input a temperature in Fahrenheit, and report the equivalent temperature in Celsius. See Exercise 2.33 for details.

circlemath.py 10 points

The program should ask the user to input the radius of a circle, and then print (with appropriate messages) the area and circumference of that circle.

Example:

What is the radius of the circle? 4

That circle has area 50.2654824574 and circumference 25.1327412287

rolltwo.py 10 points

The program should print the result of rolling two dice (each resulting in a random value from 1 to 6) and print the sum of those dice.

Example:

You rolled 2 and 5 for a total of 7.

nameconvert.py 10 points

The program should ask the user their name (First Last) and print their name (Last, First). See Exercise 2.17.

Example:

What is your name? Albert Pujols

Your name: Pujols, Albert

dateconvert.py 10 points

The program should input a date in the format '9/6/2011' and print the date in the format '6 September 2011'. See Exercise 2.23 and Figure 2.14.

Example:

Date (mm/dd/yyyy): 9/6/2011

The date is 6 September 2011

redrover.py 10 points

The program should ask the user for a list of names, then pick one at random and invite that person to come over.

Example:

Who is playing? David Michael Bryan Jason Erin Jacob Kevin

Red rover, red rover, have Jason come over.