

# CMPS 150

Spring 2017

## Programming Assignment #4

Date Assigned: Monday, February 20, 2017

Due Date: 11:55 PM, Friday, March 3, 2017

### Objectives:

- input/output statements, arithmetic expressions, formatted output, selection & repetition statements

- 1) Include the following information as comments at the beginning of your source code. Name it **pa4.py**  
BE SURE it lines up nicely as you see it below.

```
# Author:          Type-Your-Name
# CLID:           Type-Your-CLID
# Course/Section: CMPS 150 - Section X
# Assignment:     pa4
# Date Assigned:  Monday, February 20, 2017
# Date/Time Due:  Friday, March 3, 2017 -- 11:55 pm
#
# Description: Write a brief description here.
#
# Certification of Authenticity:
# I certify that this assignment is entirely my own work.
```

### 2) Program Description

Write a program to continually ask the user for a US dollar amount to be converted to a monetary value in some other currency. Terminate the program when the user enters zero(0) or a negative value.

After entering a US dollar amount, provide the user with a menu of the following currency conversion options:

1. Argentine Peso
2. British Pound
3. European Euro
4. Indian Rupee
5. Japanese Yen
6. Other

Should they select #6 (Other), they must supply a ONE word currency name and a conversion (numeric) factor. The conversion factors for the first five(5) currencies are:

- Argentine Peso            15.69
- British Pound            0.8
- European Euro            0.94
- Indian Rupee            66.92
- Japanese Yen            113.12

Input by the user  
is indicated by text  
that is bold, underlined  
and italicized.

### 3) Sample Run

Enter amount to convert (<= 0 to exit): 150

1. Argentine Peso
2. British Pound
3. European Euro
4. Indian Rupee
5. Japanese Yen
6. Other

Enter Currency Selection: 1

150 US Dollars converts to: 2353.50 Argentine Pesos

Enter amount to convert (<= 0 to exit): 75

1. Argentine Peso
2. British Pound
3. European Euro
4. Indian Rupee
5. Japanese Yen
6. Other

Enter Currency Selection: 5

75 US Dollars converts to: 8484.00 Japanese Yen

Enter amount to convert (<= 0 to exit): 100

1. Argentine Peso
2. British Pound
3. European Euro
4. Indian Rupee
5. Japanese Yen
6. Other

Enter Selection: 6

Enter current to convert to: Cayennes

Enter conversion factor: 5.13

100 US Dollars converts to: 513.00 Cayennes

Enter amount to convert (<= 0 to exit): 0

### 4) Upload to Moodle

Get in a browser and login to Moodle.

Instead of going to the Lecture Section, go to YOUR specific submission section on the Moodle site.

Click on the link for Programming Assignment #4.

Select to "Upload a File"

Select to "Choose a File" and go about the process of browsing/finding "pa4.py" on the computer.

Select to "Upload this File"

**When returned to the Upload screen, MAKE SURE to click on the "Save Changes" button.**

You will be returned to the "Programming Assignment #4" screen.

This time you should see your source code file listed on it.

### 5. Logout of Moodle

**You can turn in programs  
up to 24 hours late for a maximum of 75% credit  
or up to 48 hours late for a maximum of 50% credit**