

## EECS 1015: LAB #1 – First Simple Python Program – Introduction and Currency Conversion

Assigned: September 20, 2021

Due date: September 27, 2021 (one week) [Monday by 11.59 pm]

### #Important reminder for your first lab

- 1) You must submit your lab via web-submit (see instructions at end of this lab write up)
- 2) Please make sure you correctly submit your file(s).
- 3) Please follow the instructions carefully.

### 1. GOALS/OUTCOMES FOR LAB

- To get you familiar with code Python
- To get you familiar with your PyCharm IDE
- To write your own Python code
- To get you familiar with submitting your lab results through websubmit

### 2. LAB 1 – TASK/INSTRUCTIONS

**Part 1:** Start your code with comments that include this lab ID, your full name, email address, and student id as follows:

```
# Lab 1
# Author: Michael S. Brown
# Email: msb99898@aol.com
# Student ID: 10233030
# Section A <- Please denote your section A or B
```

#### Part 2: Introduction

Your program will print your name, your student ID, your Section (A or B), and where you currently live (city and country) [please see output on next page].

#### Part 3: Convert inputted amount in Canadian dollar to seven different currencies

In the same program after part 2, you should prompt the user to provide amount in Canadian dollars. The user can input the amount as either an integer or float. You should then convert the amount into seven different currencies with the following exchange rates:

Country	Currency Symbols	Exchange Rate	Example with 5 CAD
USA Dollar	USD	0.794075	$5 * 0.794075 = 3.970374$
Chinese Yuan	RMB	5.141496	$5 * 5.141496 = 25.70748$
European Union Euro	EUR	0.670762	$5 * 0.670762 = 3.353809$
Great Britain Pound	GBP	0.575694	$5 * 0.575694 = 2.87847$
Indian Rupee	INR	58.14920	$5 * 58.14920 = 290.746$
Egyptian Pound	EGP	12.50795	$5 * 12.50795 = 62.53975$
Philippine Peso	PHP	39.64959	$5 * 39.64959 = 198.24795$

After you print out the conversion for each, ask the user to "Press Enter" to finish the program. The explanation why is provided in the example video. See example output on next page.

See video here:

[https://www.eecs.yorku.ca/~mbrown/EECS1015\\_Lab1.mp4](https://www.eecs.yorku.ca/~mbrown/EECS1015_Lab1.mp4)

See an example of the output of your program below – part in red was typed in by the user:

```
My name is Mostafa Li
My York student ID is 10230405
I'm in Section B.
I currently live in Ammand, Jordan.

Enter amount in Canadian dollars: 25.75
Amount in USD
20.44743125
Amount in RMB
132.393522
Amount in EUR
17.2721215
Amount in GBP
14.8241205
Amount in INR
1497.3419
Amount in EGP
322.0797125
Amount in PHP
1020.9769425
Press enter to end. . .
```

### 3. GRADING SCHEME (Maximum number of points possible 10)

This is an easy lab. I expect everyone to get full marks. However, to get full marks you need to make sure you follow the instructions correctly. The following will be our grading scheme for the Lab components specified in Section 2 of this document.

#### Part 1: (0 points, but deduction if you skip this part)

- File name **must** be "lab1.py" (all lowercase, no spaces)
- The Python comments at the beginning of your program **must** include your name, email, and York student id (this is important for grading)
- *If your file name is incorrect, your or do not put in the required information we will deduct -5 points (Why are we so harsh? Because if you don't put in your name and student id it can be very difficult for the TAs to determine whose submission this is.)*

#### Part 2: (2.5 points)

- Your program should correctly print your name, student id, section, and where you currently live.

#### Part 3: (7.5 points)

- Your code should run correctly, get input from the user and print out the conversion to the other currencies.

-No submission – 0 points

-Any submission 1 week after the due date 50% off the total marks

-Any submission 2 weeks after the due date will not be marked and treated as no submission.

See pages below on how to submit your lab code.

#### 4. SUBMISSIONS (EECS web-submit)

You will submit your lab using the EECS web submit.

Click on the follow URL: <https://webapp.eecs.yorku.ca/submit>

### Web Submit Login


To access Web Submit:

- Use your **Passport York** account by [clicking here](#), or,
- Use your EECS account by logging in below:

EECS Username:

EECS Password:

Login



York University  
Department of Electrical Engineering and Computer Science  
Lassonde School of Engineering

**STEP 1** -- If you don't have an EECS account, click here to use Passport York (everyone has a passport York account).

If you do have an EECS account, enter here and go to **STEP 3**.

**Passport YORK**

**Passport York** authenticates you as a member of the York community and gives you access to a range of computing resources and services.

Username:

Password:

Login

☐ Click this box before logging in to change your Passport York password.

**STEP 2** – Enter your passport York username/password.

NOTE – you'll be asked to do the two level authentication.

**STEP 3** – Select the correct menu option as follows. Term "F", Course "1015A" or Course "1015B" – depending on your section. Assignment "Lab1".

Academic Year: 2021-22 ▾

Term: F ▾

Course: 1015A ▾

Assignment: lab1 ▾

Submit Status: Submission  
Enabled

Feedback: None

Please specify files to submit:  
(You can submit multiple files at once!)

Choose Files	lab1.py
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen
Choose Files	No file chosen

Submit Files Logout

**STEP 3 cont'** – Select your file. The location in PyCharm may be complicated. I recommend you save your PyCharm Python file to your desktop and select from there. Remember, name your file lab1.py.

**STEP 3 cont'** – once you have entered everything above, click "Submit Files".

webapp.eecs.yorku.ca says

\*\*\*\*\* ATTENTION \*\*\*\*\*

You are submitting files to:

Course:\*~\*1015  
Assignment:\*~\*Lab1  
Academic Year:\*~\*2020-21  
Term:\*~\*F

Failure to submit your assignment to the proper course

OK Cancel

**STEP 4** – Confirm that you have entered everything in correctly. If you make a mistake here and submit to the wrong course, or wrong lab, we won't be able to tell and will mark your lab as not submitted. Please double check before clicking OK.

Feedback: None

Please specify files to submit:  
(You can submit multiple files at once!)

Choose Files

No file chosen

Choose Files

No file chosen

Choose Files

No file chosen

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Choose Files

No file chosen

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No file chosen

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No file chosen

Choose Files

No file chosen

Submit Files

Logout

Messages:

- lab1.py submitted

You have submitted these files:

- [lab1.py](#) (6 B) 09/13/2020 21:58:41 

Delete

STEP 5 – After you submit, your webpage will refresh and show that you have submitted the files and the time.

I recommend you logout.

You can resubmit the file if you make changes. However, if the TA has already graded your lab, they will not grade it again, so I recommend you only upload once you have it work.

For more details on websubmit, see EECS department instructions:

<https://wiki.eecs.yorku.ca/dept/tdb/services:submit:websubmit>