

Lab 2-1 – Simple Barista Conditional

Goals

- Familiarity with variables
- Familiarity with if and if/else statements
- Learn how to use the random library
- Learn how to cast variables as different data types
- Understanding of Python input and output

Setup

- In PyCharm, create a new project or open an existing one (such as Labs)
- Create a new Python file using the following naming convention:
ITP115_L2_1_LastName_FirstName
(replace *LastName* with your last/family name and *FirstName* with your first name)
- Your new file must begin with comments in the following format (replace the name and email with your actual information):

```
# Name, USC email  
# ITP 115, Spring 2020  
# Lab 2-1
```

Requirements

Your program must perform the following:

- Ask the user the following questions, and store their answers in variables
 - What size coffee do you want (S, M, L)?
 - What temperature would you like (in degrees)?
 - What type of beans / blend would you like?
 - Would you like room for cream (y/n)?
- Use if, if-elif-else, or if-else statements to display a summary statement in English about what drink they ordered
 - Example: You ordered a large hot Sumatra with cream
- Things to keep in mind
 - In most case, the user will enter a value, but that is not the value you will display
 - Example: The user types the letter **M** but you need to display the word **medium**

- Size
 - The user could enter an upper or lower case letter, but your program should work either way
- Temperature
 - It is up to you what is the breakpoint between hot and iced (generally 90 degree F and above is warm/hot for liquids)
- **For a challenge**
 - Ask the user if they would like their drink to be a random temperature
 - If they say yes, use **random.randrange(...)** to select a random temperature. Consider what an appropriate temperature should be so that the drink is not frozen nor boiling

Sample Output 1

What size coffee do you want (S, M, L)? **m**

What temperature would you like (in degrees)? **190**

What type of beans / blend would you like? **Costa Rica**

Would you like room for cream (y/n)? **n**

You ordered a medium hot Costa Rica coffee with no cream

Sample Output 2

What size coffee do you want (S, M, L)? **L**

What temperature would you like (in degrees)? **48**

What type of beans / blend would you like? **Sumatra**

Would you like room for cream (y/n)? **y**

You ordered a large hot Sumatra coffee with cream

Deliverables and Submission Instructions

- Create a zip file containing your Python code. This cannot be done within PyCharm. Find the file or folder on your computer and compress it.
 - a. Windows:
 1. Using File Explorer, select your lab file
 2. Right click
 3. Send to ->
 4. Compressed (zipped) folder
 - b. Mac OSX:
 1. Using Finder, select your lab file
 2. Right click
 3. Compress "*FileName*"
- Upload the zip file to your Blackboard section:
 1. On Blackboard, click on the Labs item in the course menu on the left.
 2. Click on the specific item for this assignment (starts with L and a number).
 3. Click on the Browse My Computer button and select your zip file.
 4. Click the Submit button.