Lab 2 – 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

- Create a new PyCharm file in your desired directory
- When you name the code, use the following naming convention
  ITP115_l#_lastname_firstname
  (replace # with this lab number)
- Your new file must begin with comments in the following format (replace the name and email with your actual information):
  ```
  # Name
  # ITP 115, Spring 2016
  # Lab L^ (replace ^ with this lab number)
  # USC email
  ```

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
    - o Temperature
        - It is up to you what is the breakpoint between hot and iced
- **For a challenge**
    - o Ask the user if they would like their drink to be a random temperature
    - o 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 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 with cream
```

Deliverables and Submission Instructions

- A compressed folder (zip file) containing you Python code. This can be done by:

   a. Windows *(you must find the folder on your computer—this can't be done within PyCharm):*
- i. Select your lab file
- ii. Right click
- iii. Send to ->
- iv. Compressed (zipped) folder
- v. Rename this folder with the following name:
  - **ITP115_l#_lastname_firstname**
  - *(replace # with this assignment number)*
- vi. Submit this zipped folder through Blackboard

   b. OSX *(you must find the folder on your computer—this can't be done within PyCharm)*:
- i. Select your lab file
- ii. Right click
- iii. Compress 1 item
- iv. Rename this folder with the following name:
  - **ITP115_l#_lastname_firstname**
  - *(replace # with this assignment number)*
- v. Submit this zipped folder through Blackboard