Barista Assistant

In your assignment, you get to **practice your coding skills** using:

- **variables**
- **integers**
- **if then/else**
- **loops**
- **functions**
- **lists**

Program Description:

Your program will create an application for a cafe to help baristas **create coffee for a customer**. Your program will take the customer's request and **produce a set of instructions** for the barista to make the coffee.

Your application will need to perform the following:

- Have the customer enter the **type of coffee** they want. Options include 'Long Black', 'Flat White', 'Latte', or 'Short Black'.
- If the customer does not provide one of the above options, your program will return the following error message:
  Can you please try again.
- If the customer orders **three types incorrectly**, have your program exit with the following error message:
  Sorry, we cannot help you here.
- With a **correct coffee order** that is either a long or short black, have your program ask the customer if they want milk on the side. **Like the initial coffee order**, the customer has three tries to answer correctly either with *'Y'* or *'N'*. If they do not answer correctly after three tries, have your program exit with the following error message:
  Sorry, we cannot help you here.
- For any correct coffee order, have your program ask the customer if they would like their **order for takeaway**. Like the milk question, this question is asked three times for a response of either *'Y'* or *'N'*. After three unsuccessful attempts, have your program exit with the following error message:
  Sorry, we cannot help you here.
- After all the correct answers have been given, have your program **print out the customer's coffee request** in the following format:
  - *Main Coffee Type*
  - *Milk Extra*
  - *Takeaway Option*
- Use a function `poseQuestion(questionPrompt, acceptableResponses)` that performs the questioning operation. The function will check the customer's response based on the `acceptableResponses` list. This function is responsible for asking the question three times to get a correct response. Upon a successul response, the function

will return the user's input. After three unsuccessful tries to get a correct answer, the function will return the string **'BAD INPUT'** to tell your program to exit.

Hints:

- The following list is an example output for a customer ordering a *'Flat White'* to be served in the cafe.
    - Flat White
    - No extras
    - In cafe
- When checking the customer's request, your program does not have to check for character case sensitivity. For example, *'Y'* and *'y'* are the same, as well as *'Long Black'* and *'long BLACK'*.
- If you need some ideas on the different kinds of coffee, check out the Latte Art Guide with 12 different types mainly using milk, water, coffee (espresso).