**Objectives:**

Student should be able to:

* Use comments in a program
* Define and utilize variables to store and retrieve data
* cast variable and use appropraite data type
* Use conditional expressions and decision structures (if/else) to control a program
* Capture user input (via console) and print to the console
* Define and use at least 3 functions - at least one must be "fruitful"  and at least one must take a parameter(s)

**Introduction**

You are going to create a program that offers the user a number of entertaining activities.

Your program should start with a numbered menu. A user can enter the number to select from the following options:

1. Ask the fortune teller
   * For this option the user type a question. Save the questoin in a varialbe. Generate a random integer 1, 2, 3, 4, 5, or 6 and save it in a variable. Use if/ifelse/elif statments to test your random number. For each value to select a message. Print the user questions and the message
   * EXAMPLE: 1 - yes, 2,- no, 3 - maybe, 4 - try again later, 5 - no chance, 6 - absolutley
2. Tell a knock knock joke
   * n this option, print Knock Knock, Have the user enter "Who is there?" or "Who's there" and test the response with an if statement. If the user did not type the correct response print "that is not how this works". If the user does type the correct response then procede to the next part of your knock knock joke - for each part if the user does not provide the correct response then print an error message.
   * EXAMPLE: Knock Knock - Who's there? - Boo - Boo who? - Why are you crying?
   * EXAMPLE: Knock Knock - What their?  - That is not how this works
   * EXAMPLE: Knock Knock - Who's there? - Boo - Boo Boo? - That is not how this works
3. Complete a Mad Lib
   * Ask the user for at least three words, such as a noun, a verb, and an adjective.
   * print a story with the user's words
   * EXAMPLE  STORY - " There was one a(n) ADJECTIVE NOUN that spent the day VERB his friends"
   * EXAMPLE INPUT - shoe, excited, lifting
   * EXAMPLE OUTPUT - " There was one a(n) excited shoe that spent the day lifting his friends"

**Instructions**

Write a program that meets the following requirements:

* Print some instructions to explain what is going to happen and then print the menu using the information above
* Ask the user to select an option. When the option is selected, run a function that completes the task.
* **Your program must define and use at least 3 functions but more is better**
  + **at least one must be fruitful (it must return a value)**
  + **at least one must take input parameter**
* If you need it here is a link with more about random numbers in python - <https://www.geeksforgeeks.org/python-randint-function/>
* If you need it here is a link with more about knock knock jokes - <https://simple.wikipedia.org/wiki/Knock-knock_joke>
* If you need it here is a link with more about fortune teller (aka magic 8-ball) -<https://en.wikipedia.org/wiki/Magic_8_Ball>
* If you need it here is a link with more about madlibs <https://simple.wikipedia.org/wiki/Mad_Libs>

**Submission**

* All work [must be your own - https://cswiki.betheluniversity.edu/index.php?title=AcceptableWork](https://cswiki.betheluniversity.edu/index.php?title=AcceptableWork)
* All submissions must be working and written in python3
* All submissions must have a comment at the top of the code that includes your
  + name and student ID
  + the assignment
  + the course and section
  + a brief description of the program
* All submissions must be clearly formated and abstractions (such as variables and functions) should have meaningful names to maximize readability.
* All submissions must have a read me text file that contains the following
  + your name and student ID
  + the assignment
  + the course and section
  + a brief description of the program and any information needed to run your program
  + a completion statement that details what requirements were met, which were not, and what challenges you faced in the project
  + a statement of assistance that states if you received significant help from a tutor or class mate or outside sources and includes citations of used sources
    - In regards to citations, if you used any resource other than what is in the textbook or posted on Blackboard then you MUST cite those sources and the exercise they were used on. If sources are used that are not cited, the assignment will not be accepted and my be considered plagiarism.
    - You CANNOT work with other students on projects, all work must be your own.
* Submit your files to Blackboard
  + Submit the read me and .py file
  + Filenames should include your student ID