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CPT187 – C02

Chapter 7 - Program 5

# **REQUIREMENTS**

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| **Date Submitted:** | 1/29/2023 |
| **Application Title:** | Magic 8-Ball |
| **Purpose:** | The program will take in a question from the user and display a randomized response from a list. |
| **Program Procedures:** | First, start the program. When prompted, type in a question. |
| **Algorithms, Processing, and Conditions:** | 1. Program imports random library 2. Program calls magic\_8\_ball() function. 3. Function adds contents of 8\_ball\_responses,txt file to a list 4. Function returns list to main() 5. Program calls ask\_questions() function. 6. Function accepts question from user 7. Function uses random.randint() function to assign a random number to the response variable 8. Function uses the response variable as index in answer list. 9. Function displays corresponding answer. |
| **Notes and Restrictions:** | 8\_ball\_responses.txt file must be stored in same directory as 7-13.py file. |
| **Comments:** | This program makes use of the randint() function of the random library. |

# **USE CASE**

1. User starts the program
2. User is prompted to input a question
3. Program displays a random response.
4. Program asks user if they would like to ask another question.
5. If yes, program repeats steps 2-4.