Name: Tyler Vo

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Program Description:

Program that simulates a Magic 8 Ball, that will request a yes or no question from the user. Then generating a file called 9Ball\_responses.txt that contains a random phrase. Answering yes or no questions with a random phrase

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Logical Steps:

1. Creates a file labeled “8ball\_responses.txt”

2. the program will read the file and turns them into an index

3. the program will ask the user to write a yes or no question

4. the function “magic\_8\_ball” will run and create a random value 0 – 11 and select the phrase corresponding to it.

5. a while loop asks the user if they want to continue ending once the user inputs no

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Variables:

1. txtfile = File that is generated to contain response
2. 8ball\_responses = an index with 8 ball responses
3. userInput = user’s input
4. rng = number that is generated from 0 -11
5. continue = uses what if that asks if the user wants to continue
6. responses = the phrase being chosen from the text file.
7. user\_continue = starts the loop that replays the program

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Functions:

1. Function Name: magic\_8\_ball\_start

Description: Creates a text document labeled 8ball\_responses.txt that will contain the following phrases in and index  
    "Yes, of course.",

    "Without a doubt, yes.",

    "You can count on it.",

    "For sure!",

    "Ask me later!",

    "I'm not sure.",

    "I can't tell you right now.",

    "I'll tell you after my nap.",

    "No way!",

    "I don't think so.",

    "Without a doubt, no.",

    "The answer is clearly NO!"

Parameters: none

Returns: creates a file labeled 8ball\_responses.txt that contains the phrases from 8ball\_responses

2. Function Name: magic\_8\_ball

Description: Opens the text document 8ball\_responses and randomly selects a response based on the random number generated from rng after the user has input a yes or no question

Parameters: none

Returns: none

3. Function Name: main

Description: runs magic\_8\_ball\_start to create the file that contains the phrases and will run function magic\_8\_ball that will start requesting input from the player.

Returns: Phrase that is selected

Link to repository: https://github.com/AsianInvasion00/COP2373.git

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