**Concept**

Simulate a Magic 8-ball, allowing the user to:

View all possible responses the Magic 8-ball can give.

Choose a specific response by selecting a number.

Ask a question and receive a random response from the Magic 8-ball.

The program uses a menu to guide the user through these options and only accepts number inputs unless user is inputting a question.

**List of Variables**

<fortunes>

<menuOptions>

<choice>

<num>

<question>

<response>

<another>

**Pseudocode**

import random

# Create all possible fortunes

fortunes = [

"Yes, definitely.",

"It is certain.",

"Reply hazy, try again.",

"Ask again later.",

"Don't count on it.",

"My sources say no.",

"Outlook not so good.",

"Signs point to yes."

]

# Create the menu options

menuOptions = [

"See all possible responses",

"Choose a response by number",

"Ask a question"

]

# Start an infinite loop for the menu

while True:

# Print the menu options using a for loop

# Try to get the user's choice and handle invalid input try

# print("Invalid input. Please enter a number.")

# If the user chooses to see all possible responses, print all possible responses

# Print each response using a for loop

# If the user chooses to select a response by number

# Try to get the number and handle invalid input try

# print("Invalid number. Please enter a number within the valid range.")

# If the user chooses to ask a question

# Get the user's question

# Randomly select a response from the list of fortune

# print(f"The Magic 8-ball says: {response}")

# If the user enters an invalid choice print("Invalid choice. Please enter 1, 2, or 3.")

# Ask the user if they want to ask another question

# Break the loop if the user does not want to continue

# Print a thank you message ("Thank you for using the Magic 8-ball!")