Magic8ball

April 22, 2025

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# Generates random numbers
from random import randint

# Adds delay
from time import sleep

# Clears the output
from IPython.display import clear_output

# List of possible responses
response = ["As I see it, yes.",
            "Ask again later.",
            "Better not tell you now.",
            "Cannot predict now.",
            "Don't count on it.",
            "It is certain.",
            "It is decidedly so.",
            "Most likely.",
            "My reply is no.",
            "My sources say no.",
            "Outlook not so good.",
            "Outlook good.",
            "Reply hazy, try again.",
            "Signs point to yes.",
            "Very doubtful.",
            "Without a doubt.",
            "Yes.",
            "Yes - Definitely.",
            "You may rely on it."]

# Define the loop
def loop():

    # Ask the user if they want to ask another question
    again = input("Would you like to ask another question? (y/n)")

    # If the answer is yes, clear the previous output and restart
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    if again in ["yes", "y", "Yes", "Y", "YES", "yEs", "yeS", "YEs", "yES",␣
 ↪"yea"]:
        clear_output(wait=True)
        main()

    # If the answer is no, clear the previous output and display a thank you␣
 ↪message
    if again in ["no", "n", "No", "N", "NO", "nO", "nah"]:
        clear_output(wait=True)
        print("Thank you for using the Magic 8ball")

    else:
        print("Please answer with 'yes' or 'no'.")
        loop()

# Define the main function
def main():

    # Generate a random wait time between 3 and 6 seconds
    sleepTimer = randint(3,6)

    # Select a random index for the response list
    responseIndex = randint(0,19)

    # Prompt the user for a question
    Question = input("What is your question?")

    # Clear the output
    clear_output()

    # Display a loading message
    print("I'm formulating your answer...")
    sleep(sleepTimer)

    # Clear the output again
    clear_output(wait=True)

     # If the user enters nothing, provide a default response
    if Question == "":
        print("Here's the answer to your secret question:")

    else:
        print(f"Your question was: {Question}")

     # Display the randomly selected response
    print(response[responseIndex])
```

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   #run the loop
    loop()

# Run the function
main()
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