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HW3: Magic 8-Ball

This is a program that will reply to any yes or no question with a randomly chosen answer. When the user uses my program, the program will prompt the user to ask a yes or no question with a prompt that will be randomly chosen from three prompts. After the user types a yes or no question, the program will print out an answer that will be randomly chosen from 4 possible answers.

Here are what I did to develop this program and how the program will work:

1. I imported random module from Python standard library;
2. Created a variable called "random_prompt" and assigned it with a random number which was shown as "randrange(3) + 1", which will transfer "0, 1, 2" to "1, 2, 3";
3. Created another variable called "random_answer" and assigned it with a random number;
4. Created four variables that were assigned with those four possible answers;
5. The program will show a prompt based on what random number the variable "random_prompt" gets, and it will prompt the user to type in a yes or no question;
6. After the user types in a question, the program will print out an answer from those four possible answers based on what random number the other variable "random_answer" gets.

I tested my program for several times, and the results all seemed very accurate and successful. The whole process went pretty well just like the last time, I feel like all the things I needed to use in this program have all been taught or mentioned by Professor Bart and TA Mike. And it's definitely a great way to practice what we have learned!