import random

magic\_number = random.randint(1, 100)

guess = -1

# I need to start the variable "guess" at something, but I don't want to start it as

# valid number that the computer may have chosen, so I'll start with -1

# Keep going as long as the guess doesn't match the magic number

while guess != magic\_number:

    guess = int(input("What is your guess? "))

    if guess < magic\_number:

        print("Higher")

    elif guess > magic\_number:

        print("Lower")

    else:

        print("You guessed it!")

# Purpose: Guess my number game, including the stretch challenges.

keep\_playing = "yes"

while keep\_playing == "yes":

    magic\_number = random.randint(1, 100)

    guess\_count = 0

    guess = -1

    while guess != magic\_number:

        guess = int(input("What is your guess? "))

        guess\_count = guess\_count + 1

        if guess < magic\_number:

            print("Higher")

        elif guess > magic\_number:

            print("Lower")

        else:

            print("You guessed it!")

            print(f"It took you {guess\_count} guesses")

    keep\_playing = input("Would you like to play again (yes/no)? ")

print("Thank you for playing. Goodbye.")

import random

keep\_playing = "yes"

# As long as they say "yes" we will keep playing

while keep\_playing == "yes":

    magic\_number = random.randint(1, 10)

    # this variable will keep track of how many guesses it took

    guess\_count = 0

    guess = -1

    # Keep going as long as the guess doesn't match the magic number

    while guess != magic\_number:

        guess = int(input("What is your guess? "))

        guess\_count = guess\_count + 1

        if guess < magic\_number:

            print("Higher")

        elif guess > magic\_number:

            print("Lower")

        else:

            print("You guessed it!")

    # At this point, they have guessed it correctly

    print(f"It took you {guess\_count} guesses")

    keep\_playing = input("Would you like to play again (yes/no)? ")

print("Thank you for playing. Goodbye.")