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import random

def guessing_game():
    print("Welcome to the Guessing Game!")
    secret_number = random.randint(1, 100)
    attempts = 0

    while True:
        guess = int(input("Guess the secret number (between 1 and 100): "))
        attempts += 1

        if guess == secret_number:
            print(f"Congratulations! You guessed the number in {attempts} attempts.")
            break
        elif guess < secret_number:
            print("Too low! Try again.")
        else:
            print("Too high! Try again.")

    while attempts < max_attempts:
        try:
            guess = int(input("Enter your guess: "))
        except ValueError:
            print("Please enter a valid number.")
            continue

        if guess < secret_number:
            print("Too low! Try a higher number.")
        elif guess > secret_number:
            print("Too high! Try a lower number.")
        else:
            print(f"Congratulations! You guessed the number {secret_number} in {attempts + 1} attempts!")
            break

        attempts += 1

    if attempts == max_attempts:
        print(f"Sorry, you've reached the maximum number of attempts. The secret number was {secret_number}.")

if __name__ == "__main__":
    guessing_game()

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a simple guessing game where the player needs to guess a randomly generated mystery number between 1 and 100. the game will give feedback on if you are "hot or cold" in comparison to guessing that number. the game will also be able to track the amount of attempts that it took to get the correct #.