

Guess the number game(Variables, Random numbers, Conditionals, Loops)

Create a Python program that plays a "Guess the Number" game with the user. The program should generate a random number between 1 and 100, and the user should try to guess the number. Provide hints (higher or lower) after each guess until the user correctly guesses the number.

Requirements:

1. The program should generate a random number between 1 and 100.
2. Prompt the user to enter their first guess.
3. Implement a loop that continues until the user guesses the correct number.
4. Provide feedback to the user after each guess (e.g., "Too high" or "Too low").
5. Count the number of attempts it takes the user to guess the correct number.
6. When the user guesses the correct number, display a congratulatory message along with the number of attempts.

Bonus Challenges (Optional):

1. Implement input validation to ensure the user enters a valid number between 1 and 100.
2. Add the option for the user to play the game again after completing it.
3. Keep track of the best score (fewest attempts) and display it at the end of each game.

