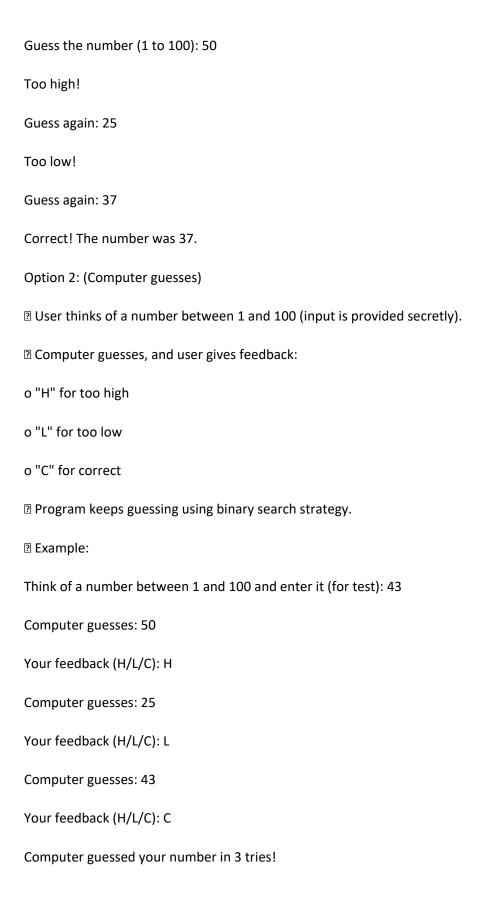
Number Guessing Game

Write a Python program that allows the user to play a number guessing game with two options:

2 Let the computer choose a random number, and the user guesses it.
② Let the user choose a number, and the computer tries to guess it.
Instructions:
2 Use functions to organize your code.
2 Use input validation for integer inputs and choice selection.
2 Handle invalid inputs gracefully.
2 Display a menu with options and run the program until the user chooses to exit.
2 You may use the random module for number generation.
Functional Requirements:
Display this menu:
Choose an option:
1. You guess the number (computer selects)
2. Computer guesses your number
3. Exit
Option 1: (You guess)
2 Computer randomly selects a number between 1 and 100.
2 User tries to guess it. The program gives feedback:
o "Too low", "Too high", or "Correct!"
Keep asking until the user guesses it correctly.
② Example:



Option 3: Exit

Display:

Goodluck!