


```

1  #!/usr/bin/env python
2
3  # Import the necessary modules
4  import sys
5  import random
6
7  # Define the main function
8  def main():
9      # Generate a random number between 1 and 100
10     number = random.randint(1, 100)
11
12     # Print the number
13     print(number)
14
15     # Get the user's guess
16     guess = input("Guess the number: ")
17
18     # Convert the guess to an integer
19     guess = int(guess)
20
21     # Check if the guess is correct
22     if guess == number:
23         print("Congratulations! You guessed the number correctly.")
24     else:
25         print("Sorry, your guess is incorrect. The correct number was", number)
26
27 # Call the main function
28 if __name__ == "__main__":
29     main()

```

Run or submit code when you're ready.