

main.py



Save

Run

```
1 import random
2
3 def number_guess_game():
4     print("Welcome to the Number Guessing Game!")
5     print("I'm thinking of a number between 1 and 100. Can you guess
        what it is?")
6
7     # Generate a random number between 1 and 100
8     secret_number = random.randint(1, 100)
9
10    attempts = 0
11    while attempts < 3:
12        try:
13            guess = int(input("Enter your guess: "))
14            attempts += 1
15
16            if guess < secret_number:
17                print("Too low! Try a higher number.")
18            elif guess > secret_number:
```

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13     guess = int(input("Enter your guess: "))
14     attempts += 1
15
16     if guess < secret_number:
17         print("Too low! Try a higher number.")
18     elif guess > secret_number:
19         print("Too high! Try a lower number.")
20     else:
21         print(f"Congratulations! You guessed the number
                {secret_number} correctly in {attempts} attempts!")
22         return
23
24     except ValueError:
25         print("Invalid input! Please enter a valid number.")
26
27     # If all attempts are used up
28     print(f"Sorry, you've used all your attempts. The number was
        {secret_number}.")
    
```

Run

Output

```
Welcome to the Number Guessing Game!  
I'm thinking of a number between 1 and 100. Can you guess what it is?  
Enter your guess: 25  
Too low! Try a higher number.  
Enter your guess: 25  
Too low! Try a higher number.  
Enter your guess: 36  
Too high! Try a lower number.  
Sorry, you've used all your attempts. The number was 30.  
  
=== Code Execution Successful ===
```