SIMPLE NUMBER GUESSING GAME

 # Basic Python Version

```python
import random

print("Welcome to the Number Guessing Game 🎮")

# Computer selects a random number between 1 and 100
secret_number = random.randint(1, 100)

while True:
    # Take input from player
    guess = int(input("Enter your guess (1-100): "))
    if guess < secret_number:
        print("Too Low! Try again.")
    elif guess > secret_number:
        print("Too High! Try again.")
    else:
        print("🎉 Congratulations! You guessed it!")
        break
```

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```

```
Welcome to the Number Guessing Game 🎮
Enter your guess (1-100): 50
Too Low! Try again.
Enter your guess (1-100): 70
Too Low! Try again.
Enter your guess (1-100): 78
Too High! Try again.
Enter your guess (1-100): 75
Too High! Try again.
Enter your guess (1-100): 73
Too High! Try again.
Enter your guess (1-100): 72
🎉 Congratulations! You guessed it!
```

OOPs Version

```python
import random

class NumberGuessingGame:
  def __init__(self, lower=1, upper=100):
    """Initialize game with random secret number"""
    self.secret_number = random.randint(lower, upper)
    self.lower = lower
    self.upper = upper

  def play(self):
    print("Welcome to the Number Guessing Game 🎮")
    while True:
      try:
        guess = int(input(f"Enter your guess ({self.lower}-{self.upper}): "))
      except ValueError:
        print("❌ Invalid input! Please enter a number.")
        continue
      if guess < self.secret_number:
        print("Too Low! Try again.")
      elif guess > self.secret_number:
        print("Too High! Try again.")
      else:
        print("🎉 Congratulations! You guessed it!")
        break

# 🎮 Run the game
game = NumberGuessingGame()
game.play()
```

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import random
class NumberGuessingGame:
    def __init__(self, lower=1, upper=100):
        """Initialize game with random secret number"""
        self.secret_number = random.randint(lower, upper)
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    def play(self):
        print("Welcome to the Number Guessing Game 🎮")
        while True:
            try:
                guess = int(input(f"Enter your guess ({self.lower}-{self.upper}): "))
            except ValueError:
                print("❌ Invalid input! Please enter a number.")
                continue
            if guess < self.secret_number:
                print("Too Low! Try again.")
            elif guess > self.secret_number:
                print("Too High! Try again.")
            else:
                print("🎉 Congratulations! You guessed it!")
                break

# 🎮 Run the game
game = NumberGuessingGame()
game.play()
```

Welcome to the Number Guessing Game 🎮
Enter your guess (1-100): 50
Too Low! Try again.
Enter your guess (1-100): 68
Too Low! Try again.
Enter your guess (1-100): 78
Too Low! Try again.
Enter your guess (1-100): 80
Too Low! Try again.
Enter your guess (1-100): 85
Too Low! Try again.
Enter your guess (1-100): 90
Too Low! Try again.
Enter your guess (1-100): 95
Too High! Try again.
Enter your guess (1-100): 92
Too Low! Try again.
Enter your guess (1-100): 93
Too Low! Try again.
Enter your guess (1-100): 94
🎉 Congratulations! You guessed it!