

game.py - C:/Users/hemal/OneDrive/game.py (3.11.8)

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```
import random
```

```
def number_guessing_game():
    secret_number = random.randint(1, 100) # Generate a random number between 1 and 100
    print("Welcome to the Number Guessing Game!")
    print("I'm thinking of a number between 1 and 100.")

    while True:
        try:
            guess = int(input("Enter your guess: ")) # Get user input

            if guess < 1 or guess > 100:
                print("Please guess a number within the range of 1 to 100.")
                continue

            if guess < 30:
                print("Too low! Try again.")
            elif guess > 60:
                print("Too high! Try again.")
            else:
                print("Congratulations! You've guessed the number!")
                break # End the game when guessed correctly

        except ValueError:
            print("Invalid input. Please enter a valid integer.")

# Start the game
number_guessing_game()
```

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```
def number_guessing_game():
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```
    secret_number = random.randint(1, 100) # Generate a random number between 1 and 100
```

```
    print("Welcome to the Number Guessing Game!")
```

```
    print("I'm thinking of a number between 1 and 100.")
```

```
    while True:
```

```
        try:
```

```
            guess = int(input("Enter your guess: "))
```

```
            if guess < 1:
```

```
                print("Guess must be between 1 and 100.")
```

```
                continue
```

```
            if guess > 100:
```

```
                print("Guess must be between 1 and 100.")
```

```
            elif guess == secret_number:
```

```
                print("Congratulations! You've guessed the number!")
```

```
            else:
```

```
                print("Too low! Try again.")
```

```
                print("Too high! Try again.")
```

```
                break
```

```
        except ValueError:
```

```
            print("Invalid input. Please enter a number.")
```

```
# Start the game
```

```
number_guessing_game()
```

IDLE Shell 3.11.8

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Python 3.11.8 (tags/v3.11.8:db85d51, Feb 6 2024, 22:03:32) [MSC v.1937 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

- RESTART: C:/Users/hemal/OneDrive/game.py

Welcome to the Number Guessing Game!

I'm thinking of a number between 1 and 100.

Enter your guess: 2

Too low! Try again.

Enter your guess: 8

Too low! Try again.

Enter your guess: 90

Too high! Try again.

Enter your guess: 30

Congratulations! You've guessed the number!