

## Python code for a guessing game where the user has to guess a randomly generated number

```
import random

def guessing_game():
    print("Welcome to the Guessing Game!")
    print("I'm thinking of a number between 1 and 100. Can you guess what it is?")

    # Generate a random number between 1 and 100
    secret_number = random.randint(1, 100)
    attempts = 0

    while True:
        try:
            guess = int(input("Enter your guess: "))
            attempts += 1

            if guess < secret_number:
                print("Too low! Try again.")
            elif guess > secret_number:
                print("Too high! Try again.")
            else:
                print(f"Congratulations! You guessed the number {secret_number} correctly in {attempts} attempts!")
                break
```

```
except ValueError:
```

```
    print("Please enter a valid number.")
```

```
if __name__ == "__main__":
```

```
    guessing_game()
```