ASSIGNMENT 2

```python
import random
secret_number = random.randint(1,100)  # Predefined number for simplicity
attempts = 0
max_attempts = 7

print("Welcome to the Number Guessing Game!")
print("Guess a number between 1 and 100. You have 7 attempts.")

while attempts < max_attempts:
    guess = int(input("Enter your guess: "))
    attempts += 1

    if guess < 1 or guess > 100:
        print("Please enter a number between 1 and 100.")
        continue

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

if attempts == max_attempts and guess != secret_number:
    print("Game Over! The number was", secret_number, ".")
```

```
Welcome to the Number Guessing Game!
Guess a number between 1 and 100. You have 7 attempts.
Enter your guess: 45
Too low! Try again.
Enter your guess: 64
Too low! Try again.
Enter your guess: 80
Too high! Try again.
Enter your guess: 70
Too high! Try again.
Enter your guess: 65
Too low! Try again.
Enter your guess: 67
Congratulations! You guessed the number in 6 attempts.
```