

# ASSIGNMENT 2:PYTHON

```
import random
```

```
number = random.randint(1, 100)
```

```
attempts = 0
```

```
max_attempts = 7
```

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

```
while attempts < max_attempts:
```

```
    attempts += 1
```

```
    guess = int(input("Enter your guess (between 1 and 100): "))
```

```
    if guess > number:
```

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

```
    elif guess < number:
```

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

```
    else:
```

```
        print(f"Congratulations! You guessed the number in {attempts} attempts.")
```

```
        break
```

```
if attempts == max_attempts and guess != number:
```

```
    print(f"Game Over! The number was {number}.")
```



```
Welcome to the Number Guessing Game!
```

```
Enter your guess (between 1 and 100): 50
```

```
Too high! Try again.
```

```
Enter your guess (between 1 and 100): 40
```

```
Too high! Try again.
```

```
Enter your guess (between 1 and 100): 30
```

```
Too low! Try again.
```

```
Enter your guess (between 1 and 100): 35
```

```
Too low! Try again.
```

```
Enter your guess (between 1 and 100): 38
```

```
Too high! Try again.
```

```
Enter your guess (between 1 and 100): 37
```

```
Too high! Try again.
```

```
Enter your guess (between 1 and 100): 36
```

```
Congratulations! You guessed the number in 7 attempts.
```

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