

# MICRO IT PROJECT-NUMBER GUESSING GAME

```
import random

def number_guessing_game():

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

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

    # Generate a random number
    secret_number = random.randint(1, 100)

    # Set maximum attempts
    attempts = 7

    for attempt in range(1, attempts + 1):

        try:
            guess = int(input(f"\nAttempt {attempt}/{attempts} - Enter your guess: "))

            if guess < 1 or guess > 100:

                print("⚠ Please enter a number between 1 and 100.")

                continue

            if guess < secret_number:

                print("⬇ Too low!")

            elif guess > secret_number:
```

```
    print("☒ Too high!")

else:

    print(f"🎉 Congratulations! You guessed it right in {attempt} attempts.")

    break

except ValueError:

    print("✖ Invalid input! Please enter a number.")

else:

    print(f"\n😢 You've used all attempts. The number was {secret_number}.")
```

# Run the game

```
number_guessing_game()
```

OUTPUT:

👉 Welcome to the Number Guessing Game!

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

Attempt 1/7 - Enter your guess: 6

☒ Too low!

Attempt 2/7 - Enter your guess: 58

☒ Too high!

Attempt 3/7 - Enter your guess: 30

☒ Too high!

Attempt 4/7 - Enter your guess: 267

 Please enter a number between 1 and 100.

Attempt 5/7 - Enter your guess: 100

 Too high!

Attempt 6/7 - Enter your guess: 50

 Too high!

Attempt 7/7 - Enter your guess: 69

 Too high!

 You've used all attempts. The number was 7