

## EXAMPLE 1

# Guess the Number Game. Input Field Validation

The User tries to guess the number which was randomly chosen by the program. An input field accepts only integer numbers in a certain range. For example, the secret number is between 1 and 20, and a User has 5 tries to guess.

- A valid number is an integer number in a range between the minimal and the maximum number defined by a program.
- A valid right number is an integer number defined randomly by a program as a “secret number”.
- A valid wrong number is an integer number that is in the range between “min” and “max” but does not equal the “secret number”.
- An invalid datatype is a float, text, symbol, or space.

[GitHub repository with Game code](#)

Number of possible test conditions =  $4^1 = 4$

CHECK INPUT DATA CONDITIONS	1	2	3	4
Entered a valid right number (T/F)	F	F	F	T
Entered a valid wrong number (T/F)	F	F	T	F
Entered a number below or above a valid range (T/F)	F	T	F	F
Entered invalid data type (T/F)	T	F	F	F
OUTPUT	Please, enter an integer number.	Your number should be between {min} and {max}.	Your number is too high/low. Try again! You have {n} guesses left.	Good job, {name}! You guessed my number in {n} guesses!

## EXAMPLE 2

# Guess the Number Game. Results

The User tries to guess the number which was randomly chosen by the program. The result of the Game could have three scenarios:

- The User was lucky to guess the number on the first try.
- The User guessed the secret number within the given number of guesses.
- The User has no guesses left so they lose.

[GitHub repository with Game code](#)

Number of possible test conditions =  $3^1 = 3$

THE GAME RESULTS CONDITIONS	1	2	3
The User guessed the number on the first try (T/F)	F	F	T
The User guessed the number on two or more tries (T/F)	F	T	F
The User spent all their guesses and didn't win (T/F)	T	F	F
OUTPUT	No guesses left. The number I was thinking of was {secret_number}	Good job, {name}! You guessed my number in {n} guesses!	Wow, {name}! You made it on the first try!