# Python Project

# Random Number Guessing Game

**Description:**

The Random Number Guessing Game is an interactive Python program where players guess a randomly chosen number within a user-defined range. The game begins by prompting the user to enter an upper limit for the range, validating the input to ensure it is a positive integer. A secret number is then randomly selected within this range. Players repeatedly guess the number, receiving feedback on whether they are correct or need to try again. The program counts the number of attempts and congratulates the player once the correct number is guessed. It's a fun way to practice loops and input validation.

Program / Code:

import random

flag = True

while flag :

num = input('Type a number for an upper bond: ')

if num.isdigit():

print("Lets play!")

num = int(num)

flag = False

else:

print('Invalid input! Try again!')

secret = random.randint(1,num)

guess = None

count = 1

while guess != secret:

guess = input('Please type a number between 1 and ' + str(num) + ": ")

if guess.isdigit():

guess = int(guess)

if guess == secret:

print('You got it!')

else:

print('Please try again!')

count += 1

print('It took you', count, 'guesses!')

Output: 