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# September 12, 2017
# CPTS 111
# Lab 8
# Task 1 A Guessing Game

from random import randrange

def get_input():
    num_players = int(input('Enter number of players: '))
    print('I\'m thinking of a number between 1 and 100. Guess what it is.')
    target_num = randrange(1, 101)
    player = 1
    prompt = 'Player 1' + str(player + 1) + '? '
    guess = 0
    while guess != target_num:
        guess = int(input('player ' + str(player) + '?'))
        if guess == target_num:
            print('PLAYER', player, 'WINS!')
            break
        if guess > target_num:
            print('Too high')
        if guess < target_num:
            print('Too low')
        else:
            pass
        player = (player + 1) % (num_players + 1)
        if player == 0:
            player = 1

get_input()
```