

Numbers here are for numbers in diagram below.

1. Check inputs
 - a. First check if first input is $2 \leq \text{input} \leq 10$. If yes, set playercount as given int. If no, print error msg, then set 2
 - b. Check second input if it is a positive int. If yes, set seed as given int , if no, print error msg, then set seed as 2021.
2. Start the game
3. Player turn selection/game state update
 - a. This function takes playercount and seed, and returns void
 - b. create an int of current player number that starts at -1, and an int of turn score that starts at 0, and a score array of zeros called scores with length(playercount)
 - c. While turnscore ≤ 100
 - i. If `currentplayernum == playercount - 1`
 1. `currentplayernum = 0`
 2. `else: currentplayernum += 1`
 - ii. Print (`names[currentplayernum]`, rolls the pig...)
 - iii. Then call turn function (4.) with given seed, current player number, and `scores[currentplayernum]`
 - iv. Set `turnscore = output of turn function`
 - d. After code exits loop, `names[currentplayernum]` wins with score `scores[currentplayernum]`
4. Player turn function
 - a. Takes seed for random, current playernum, and an int for current score return an int (of score)
 - b. Roll random from 0 to 6, to do this, do `random int modulo 7`
 - c. Make an int for turn state with 0
 - d. Do a switch statement for the 7 different sides of pig
 - i. If any of the sides that yield points, print message that `names[currentplayernum]` rolls name of roll, add the appropriate score to current score
 1. If `currentscore ≤ 100`
 - a. call `self(4.)` with same seed and playernum, and updated current score
 - b. Else: return `currentscore`
 - ii. If side: return `currentscore`