Snakes and Ladders - Pseudocode

First Player position = 1
Second Player Position = 1

Is player one turn = TRUE

snakes = LIST of 10 numbers
ladders = LIST of 10 different numbers

DEFINE player one addition:
       first dice roll = random number from 1-6
       second dice roll = random number from 1-6
       SUM of dice roll one and two
       OUTPUT total of dice rolls

DEFINE player two addition:
       first dice roll = random number from 1-6
       second dice roll = random number from 1-6
       SUM of dice roll one and two
       OUTPUT total of dice rolls

INPUT IF user wants to start the game

WHILE TRUE

       IF START is equals to "no":
              close program
       ELSE IF START is equals to "yes":
              start the game

       IF is player one turn = TRUE:
              player one roll = player one addition
              player one position = (player one roll + player one position)
              OUTPUT player one position
              SET is player one turn = FALSE

       ELSE IF is player one turn = FALSE:
              player two roll = player two addition
              player two position = (player two roll + player two position)
              OUTPUT player two position
              SET is player one turn = TRUE

       IF player one position is in LIST "snakes":
              OUTPUT "player one hit a snake"
              player one position = player one position - random number from one to twenty
              OUTPUT player one position

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ELSE IF player two is in LIST "snakes":
        OUTPUT "player two hit a snake"
        player two position = player one position - random number from one to twenty
        OUTPUT player two position

IF player one position is in LIST "ladders":
        OUTPUT "player one hit a ladder"
        player one position = player one position + random number from one to twenty
        OUTPUT player one position

ELSE IF player two is in LIST "ladder":
        OUTPUT "player two hit a ladder"
        player two position = player one position + random number from one to twenty
        OUTPUT player two position

IF player one position is greater or equals to 100:
        OUTPUT "Congratulations player one, you won"
        BREAK WHILE LOOP
ELSE IF player two position is greater or equals to 100:
        OUTPUT "Congratulations player two, you won"
        BREAK WHILE LOOP
```