Wheel of Fortune Assessment Pseudocode: using # to denote comments.

# (For python) random choice method

Import random

# Welcome, guest names, reading in files

Output: welcome to wheel of fortune

Input: ask for names of three contestants, store as list of strings (3 of them, one for each contestant)

Word\_bank =Open and read in English words from textfile (English-words-unabridged.txt)

#may need to clean words

Close textfile

#Create wheel

Wheel\_values = file(‘wheel-values.txt’) #read the lines for the values as strings

Close file

#Create functions for evaluating the wheel’s bankrupt and lose a turn

Function spin\_wheel()

Return Wheel\_values- pick random value

Function next player()

If current\_player is 1st or 2nd

Current\_player = current\_player + 1

Else

Current\_player = 1st player

Function Bankrupt()

Player’s round\_total= 0

Call next player function

#initialize contestant info

Contestant\_round\_total = list of 3 zeros

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# Round 1

Target\_word = random from word\_bank

Target\_list = target\_word broken down into a list (or tuple) of characters

Guess\_list = empty list

For i in target\_list

Guess\_list add “\_” to list

Current\_player = players\_list(first player)

Puzzle\_solved = False

While puzzle\_solved == False

Output- the puzzle (guess list)

Player\_choice = Input- ask current\_player to start turn (offer options)

Don’t offer buying a vowel if round\_total is < 250 (use if/else statement)

If Player\_choice == spin

Current\_spin = Spin\_wheel()

Output- tell what the wheel spun

If current\_spin == lose a turn

Next\_player()

Else if current\_spin == bankrupt

Bankrupt()

Else

Player\_guess = input- ask for a consonant

If player\_guess in target\_list

Update guess\_list to show what they guessed

Add values to round total

Else

Output- that is not in answer

Next\_player()

Else if Player\_choice == buy a vowel and round\_total >= 250

Player\_guess = input- ask for a vowel

If player\_guess in target\_list

Update guess\_list to show what they guessed

Contestant\_round\_total -= 250

Else

Output- that is not in answer or not a vowel

Next\_player()

Else if Player\_choice == solve

Player\_guess = input- ask what they’re guess is

If player\_guess == target\_word

Output- you win!

Contestant\_total += round\_total

Puzzle\_solved = True

Else

Output- that was not correct

Next\_player()

Else

Continue loop- they had a misinput

# Round 2

Target\_word = random from word\_bank

Target\_list = target\_word broken down into a list (or tuple) of characters

Guess\_list = empty list

For i in target\_list

Guess\_list add “\_” to list

Puzzle\_solved = False

While puzzle\_solved == False

Output- the puzzle (guess list)

Player\_choice = Input- ask current\_player to start turn (offer options)

Don’t offer buying a vowel if round\_total is < 250 (use if/else statement)

If Player\_choice == spin

Current\_spin = Spin\_wheel()

Output- tell what the wheel spun

If current\_spin == lose a turn

Next\_player()

Else if current\_spin == bankrupt

Bankrupt()

Else

Player\_guess = input- ask for a consonant

If player\_guess in target\_list

Update guess\_list to show what they guessed

Add values to round total

Else

Output- that is not in answer

Next\_player()

Else if Player\_choice == buy a vowel and round\_total >= 250

Player\_guess = input- ask for a vowel

If player\_guess in target\_list

Update guess\_list to show what they guessed

Contestant\_round\_total -= 250

Else

Output- that is not in answer or not a vowel

Next\_player()

Else if Player\_choice == solve

Player\_guess = input- ask what they’re guess is

If player\_guess == target\_word

Output- you win!

Contestant\_total += round\_total

Puzzle\_solved = True

Else

Continue loop- they had a misinput

# Bonus Round

Target\_word = random from word\_bank

Target\_list = target\_word broken down into a list (or tuple) of characters

Guess\_list = empty list

For i in target\_list

If i in [R,S,T,L,N,E]

Guess\_list add i to list

Else

Guess\_list add “\_” to list

Output guess\_list

while

player\_guess = input(Ask for consonant)

If player\_guess == list of leftover consonants

Check if in target word, change guess list

Else

Please enter a consonant other than rstln

Player\_guess = input(ask for vowel)

If player\_guess in vowel\_list

Check if in target\_word

Else

Please enter a vowel other than e

Output guess\_list, 5 seconds to solve

Start timer

Player\_guess = Input(what is your guess)

If player\_guess == target\_word

Output- congrats, you win!

Contestant\_total += 5000

Else

Output- how unfortunate!

# Final Scores

Ouput- total winnings for all contestants.