Programmers Journal - Unit 3 Lesson 7

[6:30] First off I'm going to create two functions to return the value of both birdies and bogies when comparing the golferslist toward the parlist and to read out each line of the text. Bogie would be if the player got one less than the par and birdie would be if the player got one more than the par.

def totalBogies(parList = [], scores = []): # returns bogies

bogietotal = 0

index = 0

size = len(parList)

while index < size:

if (parList[index] + 1 == scores[index]):

bogietotal += 1

index += 1

return bogietotal

def totalBirdies(parList = [], scores = []): # returns birdies

birdietotal = 0

index = 0

size = len(parList)

while index < size:

if (parList[index] - 1 == scores[index]):

birdietotal += 1

index += 1

return birdietotal

[6:50] I then had it add all the numeric values from the buffer into a par list and print out the list and print out all the golfers scores under it to make sure it was all correct and separated.

golfScores = open("golfScores.txt", 'r')

buffer = golfScores.readline()

par = []

for ch in buffer:

if ch.isnumeric():

par.append(int(ch))

print(par)

buffer = golfScores.readline()

name = buffer[:buffer.index(" ")]

golfer1 = []

for ch in buffer:

if ch.isnumeric():

golfer1.append(int(ch))

if ch == 'H':

break

print(golfer1)

buffer = golfScores.readline()

name = buffer[:buffer.index(" ")]

golfer2 = []

for ch in buffer:

if ch.isnumeric():

golfer2.append(int(ch))

if ch == 'H':

break

print(golfer2)

buffer = golfScores.readline()

name = buffer[:buffer.index(" ")]

golfer3 = []

for ch in buffer:

if ch.isnumeric():

golfer3.append(int(ch))

if ch == 'H':

break

print(golfer3)

[7:20] I finally will add the line to print out how many birdies and bogies using the functions I created at the start and use it for each golfer list.

print("{} scored {} bogies and {} birdies.".format(name, totalBogies(par, golfer1), totalBirdies(par, golfer1)))