import random

class versonyzo:

name =""

scores = []

scoreSum = 0

smallest = 0

def \_\_init\_\_(self, name, scores, scoresum, sml):

self.name = name

self.scores = scores

self.scoreSum = scoresum

self.smallest = sml

Vnev = ["Nagy","Kis", "Kovács", "Balogh", "Tóth", "Garamvölgyi"]

Knev = ["Gedeon", "Ricardó", "Péter", "Banjámin", "Zoltán", "Gergő", "Márk"]

def GetName():

tmp = ""

tmp += Vnev[random.randint(0, len(Vnev)-1)]

tmp += " "

tmp += Knev[random.randint(0, len(Knev)-1)]

return tmp

def GetScores():

tmp = []

for i in range(5):

if random.randint(0,5) == 1:

tmp.append(0)

else:

tmp.append(random.randint(180, 250))

return tmp

versenyzos = []

for i in range(8):

versenyzos.append(versonyzo(GetName(), GetScores(), 0, 250))

winner = versonyzo("", [], 0, 250);

for i in versenyzos:

i.scoreSum = max(i.scores)

if i.scoreSum > winner.scoreSum:

winner = i

print("WINNER:")

print(winner.name, " ", winner.scoreSum, " pontal")

print()

for i in versenyzos:

print(i.name, " ", i.scores)

compareTo = int(input("milyen számot keressünk at eredmények között?"))

print("Ezek az emberek dobtak ilyen távot: ")

for i in versenyzos:

if(compareTo in i.scores):

print(i.name)

utolso = versonyzo("", [250], 0, 250)

for i in versenyzos:

localmin = 250

for n in i.scores:

if n < localmin:

if n != 0:

localmin = n

i.smallest = localmin

if i.smallest < utolso.smallest:

utolso = i

print()

print (utolso.name, " dobta a legkisebbet: ", utolso.smallest)

winnerof3 = versonyzo("", [0,0,0,0], 0, 0)

for i in versenyzos:

if i.scores[2] > winnerof3.scores[2]:

winnerof3 = i

print()

print("A 3. körben ", winnerof3.name, " dobta a legnagyobbat: ", winnerof3.scores[2])

output = []

for i in versenyzos:

szoveg = ""

szoveg += i.name

szoveg += " "

szoveg += str(i.scoreSum)

szoveg += " \n"

output.append(szoveg)

print()

print("Eredmények kimentve az 'eredmeny.txt' néven az alapértelmezett elérési úton")

f = open("eredmeny.txt", "w", encoding= "utf8")

f.writelines(output)