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# Course------CS1213-01

# Project-----Project #4

# Due---------October 9,2018

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# This program calculate statistics concerning the weights

# of newborn bison in an animal science research project.

# The user will enter the weight in pounds for each of

# several bison in the study. Any negative number will

# serve as a sentinel to mark the end of the input. The

# program will calculate and display the average weight of

# the bison. It will also count the bison in each of three

# size categories: small,medium, and large. In addition to

# the average weight and the category counts, it will

# compute and print the weight of the heaviest bison in the study.

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print("Bison weights")

print("-------------")

print()

total=0

count=0

small=0

medium=0

large=0

weight\_list=[]

weight=float(input("Weight #1: "))

while weight >= 0:

count=count+1

total=total+weight

weight\_list.append(weight)

if weight < 40.0:

small=small+1

if weight >= 40.0 and weight <= 50.0:

medium=medium+1

if weight > 50.0:

large=large+1

weight=float(input("Weight #{}: ".format(count+1)))

print()

average=total/count

print("Average weight: %0.1f"%average)

print()

print("Small bison : %d"%small)

print("Medium bison: %d"%medium)

print("Large bison : %d"%large)

print()

print("Heaviest bison:",max(weight\_list))