chart\_title = ''

column1\_title = ''

column2\_title = ''

column1 = []

column2 = []

comma = ','

def get\_chart\_data():

global column1, column2

data\_str = input("\nEnter a data point (-1 to stop input):\n")

while data\_str != '-1':

int\_found = False

found\_comma = False

mult\_commas = False

if comma not in data\_str:

print("Error: No comma in string.")

elif data\_str.count(comma) > 1:

print("Error: Too many commas in input.")

mult\_commas = True

elif comma in data\_str:

found\_comma = True

parts = data\_str.split(comma)

try:

parts[1] = int(parts[1])

except ValueError:

print("Error: Comma not followed by an integer.")

else:

int\_found = True

if int\_found and found\_comma and not mult\_commas:

column1.append(parts[0])

column2.append(parts[1])

print("Data string: %s" % parts[0])

print("Data integer: %d" % parts [1])

data\_str = input("\nEnter a data point (-1 to stop input):\n")

def get\_chart():

global chart\_title, column1\_title, column2\_title

chart\_title = input("Enter a title for the data:\n")

print("You entered: %s" % chart\_title)

column1\_title = input("\nEnter the column 1 header:\n")

print("You entered: %s" % column1\_title)

column2\_title = input("\nEnter the column 2 header:\n")

print("You entered: %s" % column2\_title)

get\_chart\_data()

def print\_table():

print("%33s" % chart\_title)

print("%-20s|%23s" % (column1\_title, column2\_title))

print("%s" % '-' \* 44)

for i in range(len(column1)):

print("%-20s|%23d" % (column1[i], column2[i]))

def print\_histogram():

for i in range(len(column1)):

print("%20s %s" % (column1[i], '\*' \* column2[i]))

if \_\_name\_\_ == '\_\_main\_\_':

get\_chart()

print()

print\_table()

print()

print\_histogram()