n=[0,20,40,60,80,100,120]

p= pass credits

q=Defer credits

r=Fail credits

start

If q==’q’

yes

Horizontal histogram

no

INPUT“Enter your total PASS credits”

print “Out of range”

p not in n

yes

No

p is not integer

yes

Print“Integer required”

No

INPUT “Enter your total DEFER credits”

q not in n

yes

print “Out of range”

No

q is not integer

yes

print “Integer required”

No

INPUT “Enter your total FAIL credits”

r not in n

yes

print “Out of range”

No

r is not integer

print“Integer required”

yes

No

Let total=p+q+r

No

Display “total is incorrect”

total=120

yes

If p=120

progress=progress+1

yes

No

No

No

yes

yes

exclude=exclude+1

”

module retriever=module retriever+1

if p>=0 and p<=80 and q>=0 and q<=120 and r>=0 and r<=60

module trailer=module trailer+1

If p=100

INPUT"Enter 'y' for yes or 'q' to quit and view results:"Get response

Would you like to enter another set of data?

**Vertical histogram**

Let total=Progress +Trailer +Retriever +Excluded

Let Star=”\*”

END

Print star\*Excluded

Print star\*Retriever

Print star\*Trailer

Print star\*progress

start