n=int(input("total nunber of student present in class:-"))

U=[]

for i in range(n):

roll=int(input("\nenter the roll no of student:"))

U.append(roll)

print("\ntotal nunber of student present in class:",U)

p=int(input("Enter the total no of students present in class:-"))

P=[]

M=[]

for j in range(p):

roll=int(input("\nenter the roll no of student present in class:-"))

P.append(roll)

print("\nEnter the total no of students present in class:-",P)

for y in range(p):

mark=int(input("\nEnter the marks of the student:-"))

M.append(mark)

print("\nEnter the marks of the student:-",M)

#<--to find the average---------------------------------------------------------->

sum=0

for i in range(p):

sum=sum+M[i]

avg=sum/p

print("\nsum of the marks",sum)

print("\naverage of marks",avg)

#<----------Highest and lowest of the marks------------------------------------->

def highlow():

high=M[0]

for i in range(1,p):

if M[i]>high:

high=M[i]

print("Highest value is:",high)

low=M[0]

for i in range(1,p):

if M[i]<low:

low=M[i]

print("lowest value is:",low)

highlow()

#----Number of the absent students---------------------------------------------->

R=[]

for i in U:

flag=0

for j in(P):

if i==j:

flag=1

break

if flag==0:

R.append(i)

print("roll no absent students:",R)

#---------to calculate frequency------------------------------------------------>

def frequency():

F=[]

for i in range(p):

F.append(0)

for i in range(p):

for j in range(p):

if M[i]==M[j]:

F[i]=F[i]+1

maxfreq=F[0]

for i in range(1,p):

if M[i]>maxfreq:

maxfreq=M[i]

maxfreq=i

print("frequency is:",maxfreq)

frequency()