f=input("Enter elements")

g=input("Enter elements")

h=input("Enter elements")

i=input("Enter elements")

j=input("Enter elements")

avg=(f+g+h+i+j)/5

print avg

a=input("Enter element")

b=input("Enter element")

c=input("Enter element")

if (a>b):

if(a>c):

print a

else:

print c

elif(b>a):

if(b>c):

print b

else:

print c

else:

print "Repetitive numbers"

or

a=input("Enter element")

b=input("Enter element")

c=input("Enter element")

print max(a,b,c)

n=input("Enter year")

if(n%4==0):

print "Leap Year"

else:

print "Not a Leap Year"

print "Choose the option you want to use:"

print "A)Simple Interest"

print "B)Compund Interest"

print "C)Both"

choice=raw\_input("Enter choice(Capital Letters)")

if(choice=="A"):

p=input("Enter amount")

r=input("Enter rate")

t1=input("Enter years")

t2=input("Enter months")

t=(t1\*12)+t2

simpleinterest=(p\*(r/12)\*t)/100

print simpleinterest

if(choice=="B"):

p=input("Enter amount")

r=input("Enter rate")

t1=input("Enter years")

t2=input("Enter months")

m=input("Enter number of times interest is compounded per year")

j=r/(100\*m)

if(t2!=0):

t=t1+(t2/12)

else:

t=t1

compoundinterest=p\*((1+j)\*\*(m\*t))

print compoundinterest

if(choice=="C"):

p=input("Enter amount")

r=input("Enter rate")

t1=input("Enter years")

t2=input("Enter months")

tc=t1+(t2/12)

ts=(t1\*12)+t2

m=input("Enter number of times interest is compounded per year")

j=r/(100\*m)

if(t2!=0):

t=t1+(t2/12)

else:

t=t1

compoundinterest=p\*((1+j)\*\*(m\*t))

print compoundinterest

simpleinterest=(p\*(r/12)\*ts)/100

print simpleinterest

j=r/(100\*m)

x=input("Enter value")

if(x>=-20 and x<=20):

f=((x\*\*3)-(0.5\*x)+6)/((x\*\*2)-3)

print f

else:

print "x should be in the range -20 to 20"

x=input("Enter number")

y=input("Enter number")

if(x!=y):

for i in range(1,y+1):

print x,"\*",i,"=",x\*i

for j in range(1,x):

print y,"\*",j,"=",y\*j

elif(x==y):

for i in range(1,y+1):

print x,"\*",i,"=",x\*i

for j in range(1,x+1):

print y,"\*",j,"=",y\*j

n=input("Enter range")

for i in range(1,n+1):

for j in range(1,i+1):

print i,

print "\n"

for i in range(1,n+1):

for j in range(1,i+1):

print j,

print "\n"

for k in range(1,n+1):

for l in range(k,0,-1):

print l,

print"\n"

for m in range(n-1,0,-1):

for p in range(m,0,-1):

print p,

print "\n"

x=input("Enter number of elements")

n=list()

for i in range(1,x+1):

y=input("Enter elements")

n=n+[y]

print "Insert an element"

y=input("Enter element to be inserted")

x=input("Enter position")

n.insert(x,y)

print n

print "Delete an element"

m=input("Enter position of element to be deleted")

del n[m]

print n

x=list(input("Enter list1"))

y=list(input("Enter list2"))

for i in range(0,len(y)):

z=x+y

print z

n=[2,5,6,7,3,4]

print n

n.sort()

print n

m=input("Enter number of elements to be inserted")

for i in range(1,m+1):

x=input("Enter position")

y=input("Enter element")

n.insert(x,y)

print n

d1=[input("Enter elements")]

step=input("Enter columns")

a=[]

for i in range(0,len(d1),step):

a=a+[d1[i:i+step]]

for j in range(0,len(a)):

for k in range(0,len(a[j])):

print a[j][k],

print

def fact(n):

for i in range(1,n):

n=n\*i

return n

print "Choose from the following"

print "A)Permutation"

print "B)Combination"

print "C)Sigma(x^n/2n!)"

choice=raw\_input("Enter choice(Capital Letters)")

if(choice=="A"):

a=input("Enter value for n")

b=input("Enter value for r")

permutation= (fact(a))/(fact(a-b))

print permutation

if(choice=="B"):

a=input("Enter value for n")

b=input("Enter value for r")

combination=(fact(a))/(fact(b))\*(fact(a-b))

print combination

if(choice=="C"):

a=input("Enter value for x")

b=input("Enter value for n")

c=0

for j in range(1,a+1):

d=((j\*\*b)/float(2\*fact(b)))

c=c+d

print c

x=input("Enter number")

y=input("Enter number")

a=min(x,y)

b=max(x,y)

c=list()

if(b%a==0):

print "LCM is",b

print "HCF is",a

elif(a!=b):

for i in range(1,a+1):

if(x%i==0 and y%i==0):

c=c+[i]

d=c[0]

for j in range(1,len(c)):

if(d<c[j]):

d=c[j]

print d

else:

print "LCM is",x\*y