n=list(input("Enter nested list: "))

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

for j in range(0,len(n[i])):

if(i<=j):

print n[i][j],

else:

print " ",

print

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

for j in range(0,len(n[i])):

if(i>=j):

print n[i][j],

else:

print " ",

print

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

for j in range(0,len(n[i])):

if(i+j>=2):

print n[i][j],

else:

print " ",

print

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

for j in range(0,len(n[i])):

if(i+j<=2):

print n[i][j],

else:

print " ",

print

string1=raw\_input("Enter string")

string2=raw\_input("Enter string")

string=string1+' '+string2

print string

n=list(input("Enter the nested list: "))

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

for j in range(0,len(n[i])):

print n[i][j],

print

s=0

a=0

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

for j in range(0,len(n[i])):

if(i<=j):

a=a+1

s=s+n[i][j]

print s

print s/float(a)

p=1

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

for j in range(0,len(n[i])):

if(i>=j):

p=p\*n[i][j]

print p

pr=1

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

for j in range(0,len(n[i])):

if(i+j>=2):

pr=pr\*n[i][j]

print pr

su=0

b=0

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

for j in range(0,len(n[i])):

if(i+j<=2):

b=b+1

su=su+n[i][j]

print su

print su/float(b)

string=raw\_input("Enter string")

iscount=0

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

if(string[i]=='i' and string[i+1]=='s'):

iscount=iscount+1

else:

continue

print iscount

n=list(input("Enter marks"))

n.sort()

p=list(input("Enter percentage"))

p.sort()

first=n[0]

firstp=0

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

if(first<n[i]):

first=n[i]

firstp=p[i]

else:

continue

print "First",first,firstp,"%"

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

if(n[0]<n[i] and n[i]<first):

second=n[i]

secondp=p[i]

else:

continue

print "Second",second,secondp,"%"

a=[1,2,3,4]

x=len(a)

b=list()

for i in range(0,x):

b=b+([a[i]]\*x)

print b

a=[1,2,3,4]

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

b=[[a]]\*i

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

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

print b[j][k],

print

a=list(input("Enter elements"))

a.sort()

b=list(input("Enter elements"))

b.sort()

b.reverse()

a.extend(b)

c=a

c.sort()

print c

a=list(input("Enter elements"))

b=list(input("Enter elements"))

c=list()

if(len(a)==len(b)):

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

c=c+[a[i]]+[b[len(b)-1-i]]

print c

else:

print "Enter lists with equal number of elements"

vowel = 'a', 'e', 'i', 'o', 'u'

words = 'apple', 'orange', 'pear', 'milk', 'otter', 'snake', 'iguana', 'tiger', 'eagle'

for w in words:

if w.startswith(vowel):

print w

a=list(input("Enter elements"))

b=list(input("Enter elements"))

c=list()

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

if(a[i]%2==0):

c=c+[a[i]]

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

if(b[j]%2==0):

c=c+[b[j]]

for j in range(len(b)-1,0,-1):

if(b[j]%2==1):

c=c+[b[j]]

for i in range(len(a)-1,0,-1):

if(a[i]%2==1):

c=c+[a[i]]

print c

line="Raju Jain"

line=line+" "

a=list()

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

if ((line[i]!=" ") ):

a=a+[line[i]]

else:

for j in range(len(a)-1,-1,-1):

print a[j],

print " ",

del a[:]

sa1=input("Enter Sales 1 of Anil")

sa2=input("Enter Sales 2 of Anil")

sat=sa1+sa2

sr1=input("Enter Sales 1 of Raj")

sr2=input("Enter Sales 2 of Raj")

srt=sr1+sr2

sk1=input("Enter Sales 1 of Kumar")

sk2=input("Enter Sales 2 of Kumar")

skt=sk1+sk2

ss1=input("Enter Sales 1 of Sudha")

ss2=input("Enter Sales 2 of Sudha")

sst=ss1+ss2

n=[['Employees ','Sales1','Sales2','TotalSales'],['Anil ',sa1+0.0,sa2+0.0,sat],['Raj ',sr1+0.0,sr2+0.0,srt],['Kumar ',sk1+0.0,sk2+0.0,skt],['Sudha ',ss1+0.0,ss2+0.0,sst]]

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

for j in range(0,len(n[i])):

print n[i][j],

print

n=raw\_input("enter line")

k=n

y=""

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

if(n[i]!=" "):

y=y+n[i]

if(n[i]==" "):

break

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

if (k[i]==" "):

a=k[i+1].upper()

y=y+"."+a

print y

n=raw\_input("enter line")

k=n

y=""

y=y+(n[0].upper())+"."

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

if(n[i]==" "):

a=k[i+1].upper()

y=y+a+"."

break

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

if (n[j]==" "):

y=y+n[j+1].upper()

for k in range(j+2,len(n)):

y=y+n[k]

print y

x=list(input("Enter the nested list: "))

a=x[0][0]

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

for j in range(0,len(x[i])):

if (x[j][i]>a):

a=x[j][i]

print "The greatest number is",a

x=list(input("Enter the nested list: "))

a=x[0][0]

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

for j in range(0,len(x[i])):

if (x[i][j]>a):

a=x[i][j]

print "The greatest number is",a