* Middle Row and Columns

n=list(input("enter 2d list"))

if ((len(n)%2)!=0):

midrow=(len(n)-1)/2

print "middle row",n[midrow],

if ((len(n)%2)==0):

midrow1=(len(n)/2)

print "middlerow1",n[midrow1-1],

print "middlerow2",n[midrow1],

if ((len(n)%2)!=0):

print "middle column"

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

y=list()

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

midcol=(len(n)-1)/2

y=y+[n[j][midcol]]

print y,

print

if ((len(n)%2)==0):

print "middle columns"

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

t=list()

r=list()

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

midcol1=(len(n)/2)

t=t+[n[j][midcol1-1]]

r=r+[n[j][midcol1]]

print t,

print r,

print

* Pyramid

1

121

12321

1234321

12321

121

1

pyrange=input("Enter range for pyramid:")

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

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

print j,

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

print k,

print

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

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

print m,

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

print p,

print

* Delete an Element

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

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

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

n[i-1]=n[i]

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

print n[j],

(OR)

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

a=input("Enter element")

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

if(n[k]==a):

x=k

else:

continue

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

n[i-1]=n[i]

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

print n[j],

m=list(input("enter list"))

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

b=input("Enter position of element to be inserted")

n=m+[a]

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

n[i]=m[i-1]

n[b-1]=a

print n,