Q no:1

def spirallyTraverse(R,C, mat):

top = 0

bottom = R-1

left = 0

right = C - 1

direction = 0

#moving left to right

while (top <= bottom and left <=right):

if direction ==0:

for i in range(left,right+1):

print (mat[top][i], end=" ")

top +=1

direction = 1

#moving top to botom

elif direction ==1:

for i in range(top,bottom+1):

print (mat[i][right], end=" ")

right -=1

direction = 2

#moving right to left

elif direction ==2:

for i in range(right,left-1,-1):

print (mat[bottom][i], end=" ")

bottom -=1

direction = 3

elif direction ==3:

# moving bottom to top

for i in range(bottom,top-1,-1):

print (mat[i][left], end=" ")

left +=1

direction = 0

Q#2

def activityselection(start, end ):

n = len(end)

for j in range(n):

#comparing the start of activity and end of the activity

if start[j] >= end[i]:

print(j)

i = j

Q#3

def countMin(str):

l = len(str)

i = 0

j = l - 1

while i <= j:

if(str[i] != str[j]):

return False

i += 1

j -= 1

return True

count = 0

flag = 0

while(len(str) > 0):

# if string becomes palindrome then break

if(ispalindrome(s)):

flag = 1

break

else:

count=count+ 1

# erase the last element of the string

str = str[:-1]

if(flag):

print(count)