#Question 1

```python
num=int(input())
matrix=[]
for i in range(num):
    l=list(map(int,input().split()))
    matrix.append(l)
for c in range(num):
    if c%2==0:
        for r in range(num):
            print(matrix[r][c],end=" ")
    else:
        for r in range(num -1,-1,-1):
            print(matrix[r][c],end=" ")
```

#Question 2

```python
rows=int(input())
column=int(input())
matrix=[]
for i in range(rows):
    l=list(map(int,input().split()))
    matrix.append(l)
for col in range(column):
    r,c=0,col
    while c>=0 and r<rows:
        print(matrix[r][c],end=" ")
        r+=1
        c-=1
    print()
for row in range(1,rows):
    r,c=row,column-1
    while r<rows and c>=0:
        print(matrix[r][c],end=" ")
        r+=1
        c-=1
    print()
```