

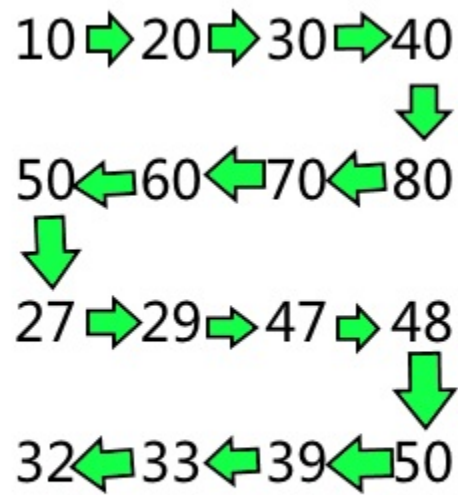
<https://course.acciojob.com/idle?question=5fea6a73-8dfe-494a-888c-9553938afaf5>

• EASY

• Max Score: 30 Points

Print Matrix in snake Pattern

Given a matrix of size $N \times N$. Print the elements of the matrix in the snake like pattern depicted below.



Output: 10 20 30 40 80 70 60 50 27 29 47 48 50 39 33 32

Your task is to complete the function `printSnakePattern` which receives the input matrix and `N` as its parameters and prints the matrix in snake pattern.

Input Format

- The first line contains an integer `N`.
- The next `N` lines contains `N` spaced integers each, elements of matrix.

Output Format

Print the elements of the matrix in the snake like pattern.

Example 1

Input

```
3
45 48 54
21 89 87
70 78 15
```

Output

```
45 48 54 87 89 21 70 78 15
```

Example 2

Input

```
2
1 2
3 4
```

Output

```
1 2 4 3
```

Constraints

- $1 \leq N \leq 100$
- $1 \leq \text{mat}[i][j] \leq 100$

Topic Tags

- **2D-Arrays**

My code

// in java

```
import java.util.*;
```

```
import java.lang.*;
```

```
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);
```

```
        int n=s.nextInt();
```

```
        int arr[][]=new int[n][n];
```

```
        for(int i=0;i<n;i++)
```

```
        for(int j=0;j<n;j++)
```

```
            arr[i][j]=s.nextInt();
```

```
        /*  for(int i=0;i<n;i=i+2){  
            for(int j=0;j<n;j++)  
                {System.out.print(arr[i][j]+" ");}  
            if(i<n)  
            { int p=i;p=p+1;  
              for(int k=n-1;k>=0;k--)  
                  System.out.print(arr[p][k]+" ");}  
        }*/
```

```
        int i=0;
```

```
        while(i<n)
```

```
        { int j=0;
```

```
while(j<n){System.out.print(arr[i][j++]+" ");}
if(n-1>i)
{ int k=n;
while(k>0){System.out.print(arr[i+1][--k]+" ");}
i=i+2;
}
```

```
}
}
```