☰   **70 : 24 : 18**   Finish test

Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test) | Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

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Pattern Printing

Write a program to print the following pattern for the given number of rows.

Pattern for N = 4

```
     1

    232

   34543

  4567654
```

Input format:

The first line contains an integer 't' which denotes the number of test cases/queries to be run or patterns to be printed. Every line of the next t lines contains the number of rows of the pattern (integer: N).

Output format:

```c
1   #include<stdio.h>
2
3   // give 'n' and printPattern accordingly
4   void printPattern(int n){
5
6       int row,col,spaces;
7       for(row=0; row < n; row++){
8           int count = row;
9
10          // print spaces
11          for(spaces = 1; spaces <= n - (row+1); spaces++)
12              printf(" ");
13
14          for(col=1; col <= (2*row)+1; col++){
15
16              if(col <= row+1)// print inc sequence
17                  printf("%d",++count);
18              else // print decreasing sequence
19                  printf("%d",--count);
20          }
21          printf("\n");
22      }
23  }
24
25  int main(){
26      int noOfinputs;
27      scanf("%d",&noOfinputs);
28
29      // finding no of patterns we have to print
30      int i;
```

x

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