**Number Pattern**

[pattern](http://www.practice.geeksforgeeks.org/tag-page.php?tag=pattern&isCmp=0)

For a given number N. Print the pattern in the following form: 1 121 12321 1234321 for N=4.

**Input:**  
First line of input contains the test cases T. Each line of test case contain the value of N for which the pattern is to be displayed.  
  
**Output:**  
For each value of N, print the pattern in a single line.  
  
**Constraints:**  
1<= T <=10  
1<= N <= 20  
  
**Example:  
Input:**  
2  
3  
6

**Output:**  
1 121 12321  
1 121 12321 1234321 123454321 12345654321

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=527>

#include <stdio.h>

#include <iostream>

#include <map>

#include <vector>

#include <math.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

int n;

scanf("%d", &n);

for(int i =1; i <= n; i++) {

for(int j=1; j<=i; j++) {

printf("%d",j);

}

for(int j=i-1; j>=1; j--){

printf("%d", j);

}

printf(" ");

}

printf("\n");

}

return 0;

}