

Lab Goal : The lab was designed to help you review classes, objects, files, arrays, and matrices.

Lab Description : Each number in the file is the size of a pascal's triangle. Take each number and print a pascal's triangle that size.

Sample Data :

4
3
6
7
11

of data sets in the file - 4

Files Needed ::

PascalsTriangle.java
Lab01a.java

Sample Output :

```
1
1 1
1 2 1
```

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
```

algorithm help

The rules for a row with n integer values on it are as follows. The first and last values of the row are always 1. The other values in the row are computed using the following formula :

The ith value in the row = (i-1)st value of the previous row + the ith value in the previous row.

For instance, the second value of the 4th row is 3 because the 1st and 2nd values of the 3rd row are 2 and 1.

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
```

```
//BONUS +30
//OUTPUT EACH TRIANGLE
//AS AN EQUILATERAL TRIANGLE
```

```
      1
     1 1
    1 2 1
   1 3 3 1
  1 4 6 4 1
 1 5 10 10 5 1
```

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
1 7 21 35 35 21 7 1
1 8 28 56 70 56 28 8 1
```

1	9	36	84	126	126	84	36	9	1	
1	10	45	120	210	252	210	120	45	10	1