

Solution Review: Pascal's Triangle

In this review, solution of the challenge 'Pascal's Triangle' from the previous lesson is provided.

We'll cover the following ^

- Solution

Solution

```
class HelloWorld {
    public static void main( String args[] ) {
        int size = 5;
        int[][] pascalTr = new int[size][size];
        int row, col;
        //assign zero to every array element
        for (row = 0; row < size; row++)
            for (col = 0; col < size; col++)
                pascalTr[row][col] = 0;
        //first and second rows are set to 1s
        pascalTr[0][0] = 1;
        pascalTr[1][0] = 1;
        pascalTr[1][1] = 1;

        for (row = 2; row < size; row++) {
            pascalTr[row][0] = 1;
            for (col = 1; col <= row; col++) {
                pascalTr[row][col] = pascalTr[row - 1][col - 1] + pascalTr[row - 1][col];
            }
        }

        //display the Pascal Triangle
        for (row = 0; row < size; row++) {
            for (col = 0; col <= row; col++) {
                System.out.print(pascalTr[row][col] + " ");
            }
            System.out.print("\n");
        }
    }
}
```



Let's assume that we have to print a triangle of **size = 5** as follows:

1

1 1

Well, let's test our understanding of array through a quick quiz.

