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Problem:

Write an algorithm to create a Pascal Triangle, which can take N as input for number of rows

Hint: Pascal's Triangle is a triangle of numbers where each number is the two numbers directly above it added together (except for the edges, which are all "1").

Here we have highlighted that 1+3 = 4

```
        1
       1 1
      1 2 1
     1 3 3 1
    1 4 6 4 1
```

Solution:

```
function getPascalTriangle (n) {
    let arr = [];
    for (let i = 0; i < n; i++) {
        arr[i] = [];
        let space = ".";
        for (let j = 0; j < (n-i-1); j++) {
            space += " ";
        }
        for (let k = 0; k <= i; k++) {
            if (k == 0 || k == i) {
                arr[i].push(1);
            }
            else {
                arr[i].push(arr[i-1][k-1] + arr[i-1][k]);
            }
        }
        console.log(space + arr[i].join(" "));
    }
}

getPascalTriangle(5);
```

→ Space is for getting the output shape like pyramid