HATFD1035

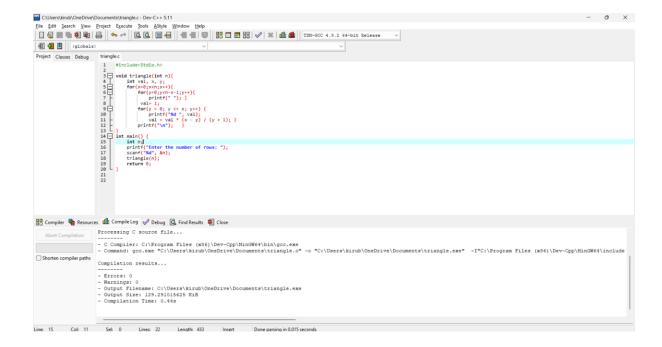
Print Pascal's Triangle

Write a program to generate and print the first n rows of Pascal's triangle without using built-in math or array functions. For n = 5, the output should be:

```
1
11
121
1331
14641
```

Program Code

```
#include<Stdio.h>
void triangle(int n){
  int val, x, y;
  for(x=0;x<n;x++){
    for(y=0;y< n-x-1;y++){
       printf(" "); }
                val= 1;
     for(y = 0; y \leq x; y++) {
       printf("%d ", val);
       val = val * (x - y) / (y + 1); }
    printf("\n"); }
}
int main() {
  int n;
  printf("Enter the number of rows: ");
  scanf("%d", &n);
  triangle(n);
  return 0;
}
```



Output 1:

N=5

Output 2:

N=3

Output 3:

N=7