Name: Badal Prabhakar Wanjari

Branch: Computer Technology

Section: B

Roll No. 140

Reg No. 20011045

Subject: Data Structures Lab

Practical - 3

Aim: Program to print pascal's triangle.

Program:

```
#include <stdio.h>
int main(){
    int rows, coef = 1, space, i, j;
    printf("\nEnter the number of rows: ");
    scanf("%d", &rows);
    for (i = 0; i < rows; i++){</pre>
        for (space = 1; space <= rows - i; space++){</pre>
            printf(" ");
        for (j = 0; j <= i; j++){}
            if (j == 0 || i == 0){
                coef = 1;
            }
            else{
                coef = coef * (i - j + 1) / j;
            printf("%d ", coef);
        printf("\n");
    return 0;
}
```

Output:

Enter the number of rows: 6

1

11

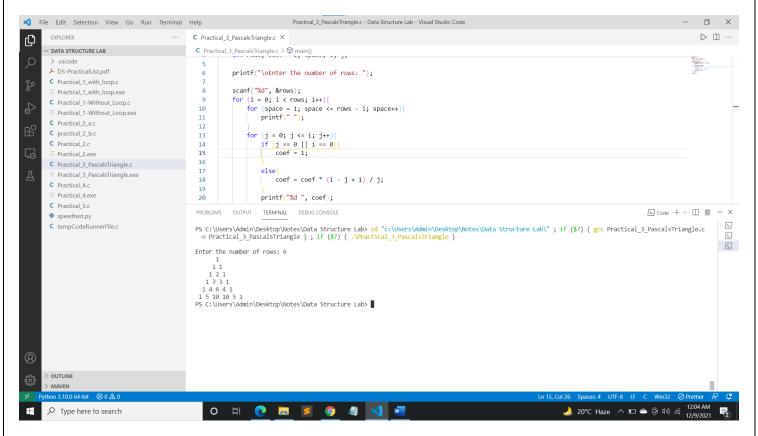
121

1331

14641

15101051

Screenshot:



Conclusion: I have successfully completed practical 3.