 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 5	Name : Pushti Depani	
Day : 12	Date : 29/10/2022	Enrollment No: 92000133018

CP Club 365Days Challenge

Date – 29/10/2022

Programming language – C++

Problem Statement

Patter program:

Input: - 5

Output: -

```

*****1*****
*****2*2*****
*****3*3*3*****
*****4*4*4*4*****
*****5*5*5*5*5*****

```


Your Code:

```

#include<iostream>
using namespace std;
int main()
{
    int n, r, c, count = 1, num = 0, p=8;
    cout<<"Input number of rows: ";
    cin >> n;

    for (r = 1; r <= n; r++)
    {
        for (c = 1; c <= p; c++)

```


 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 5	Name : Pushti Depani	
Day : 12	Date : 29/10/2022	Enrollment No: 92000133018

```

        if(r + c <= p + 1)
            cout << "*";
            num++;
            for (c = 1; c <= r; c++)
            {
                cout << num;
                cout << "*";
                count++;
                if (r > 1 && count < r)
                {
                    cout << "*";
                    count++;
                }
            }
            for (c = 1; c <= p; c++)
                if(r + n <= c + n)
                    cout << "*";
                    cout << "\n"<<endl;
                    count = 1;
            }
return 0;
}

```

Output (Screen Shot):

 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 5	Name : Pushti Depani	
Day : 12	Date : 29/10/2022	Enrollment No: 92000133018

```

D:\cp club\day_12.exe
Input number of rows: 5
*****1*****
*****2*2*****
*****3*3*3*****
*****4*4*4*4*****
*****5*5*5*5*5*****

-----
Process exited after 1.11 seconds with return value 0
Press any key to continue . . .

```

Understanding about problem:
From this problem I have understood how to use the nested loops to solve the pattern. Using this simple nested loops using for and if we can solve this pattern.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST
 Team CP Club