 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 5	Name :Pushti Depani	
Day : 20	Date : 06/11/2022	Enrollment No: 92000133018

CP Club 365Days Challenge

Date – 06/11/2022

Programming language – only C language

Problem Statement

Write the code not just for one input but for many more.(Dynamic code)

Code must be in C language only

Input: 7

Output:


```

*****
**      **
*  *  *  *
*    *    *
*  *  *  *
**      **
*****

```

Your Code:

```
#include <stdio.h>
```

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```


int main()
{
    int n,r,c;
    printf("Enter number of rows: ");
    scanf("%d",&n);
    for(r=1;r<=n;r++)
    {
        for(c=1;c<=n;c++)
        {
            if(c==1 || r==1 || r==n || r==c || c==n || c==n-r+1)
            {
                printf("*");
            }
            else
            {
                printf(" ");
            }

        }
        printf("\n");
    }

    return 0;
}

```

Output (Screen Shot):

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```

D:\cp club\day_20.exe
Enter number of rows: 7
*****
**  **
* * * *
* * * *
* * * *
* * * *
**  **
*****

-----
Process exited after 1.645 seconds with return value 0
Press any key to continue . . .

```

Understanding about problem:

From this program I have learned about how to create simple pattern using for and if condition. Moreover Pattern programs gives the working of looping structures in general purpose programming languages. Its helps user to visualize how every iteration in a loop works.

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