

BASICS

What is Floyd's Triangle?

Floyd's Triangle (**named after a computer scientist – Robert W. Floyd**) is a right-angled triangular array of natural numbers. It is filled by natural numbers consecutively starting with 1 in the top left corner.

For example: A Floyd's triangle with 5 rows

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```



```
printf("Enter the number of rows: ");  
scanf("%d", &rows);
```

```
n = 1;
```

```
for(i=1; i<=rows; i++)  
{  
    for(j=1; j<=i; j++)  
    {  
        printf("%d ", n);  
        n++;  
    }  
    printf("\n");  
}
```

```
1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14 15
```