Code, Compile & Run

Ide

Contest Code/Name (e.g. JULY15/PRACTICE) | Problem Code/Name (e.g. TEST) | Select

C (gcc 6.3) | Code gets autosaved every second

```
#include<stdio.h>
int main()
{
int r,s,rows=0;
int t=0;
printf("Enter number of rows to print the pyramid:");
scanf("%d",&rows);
printf("\n");
printf("The pyramid Pattern for the number of rows are:");
printf("\n\n");
for(r=1;r<=rows;++r,t=0)
{
for(s=1; s<=rows-r;++s)
{
printf(" ");
}
while(t!=2*r-1)
{
printf("* ");
++t;
}
printf("\n");
}
return 0;
}
```

18:13

Open File | Custom Input | Run

Custom Input

```
8
triangle
```

Status Successfully executed **Date** 2020-06-15 06:03:50 **Time** 0 sec **Mem** 9.424 kB

Input

```
8
triangle
```

Output

```
Enter number of rows to print the pyramid:
The pyramid Pattern for the number of rows are:

      *
    * * *
  * * * * *
* * * * * * *
```

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(i) Algorithm (to Print Pyramid like structure)

step 1 : start

step 2 : Declare variables x, y, n, a, z, s

step 3 : Enter the limit.

step 4 : Initialize the value of variables, s = n, x = 0, y = 0, z = s

step 5 : Do the following operations in loop.

1. x = 0 to n
2. a = 1, x ++
3. z = s to 0
4. print space
5. z --
6. y = 0 to x
7. print a
8. a = a*(x-y)/(y+1)
9. y = y + 1
10. go to next line

Step 6 : Repeat the process to n

Step 7 : Print the final required triangle

step 8 : stop

Flowchart :