Code, Compile & Run

Ide

C++14 (gcc 6.3)

```
#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;
}
```

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Open File

Custom Input

Run

Custom Input

```
10
triangle
```

Status Successfully executed **Date** 2020-06-15 05:58:15 **Time** 0 sec **Mem** 15.232 kB

Input

```
10
triangle
```

Output

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

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

Code, Compile & Run

Ide

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    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;
}
```

24:2

Open File

Custom Input

Run

Custom Input

```
10
triangle
```

Status Successfully executed **Date** 2020-06-15 05:58:15 **Time** 0 sec **Mem** 15.232 kB

Input

```
10
triangle
```

Output

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

Code, Compile & Run

Ide

C++14 (gcc 6.3)

```
#include<stdio.h>
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{
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    for(r=1;r<=rows;++r,t=0)
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        for(s=1; s<=rows-r; ++s)
        {
            printf(" ");
        }
        while (t!=2*r-1)
        {
            printf("* ");
            ++t;
        }
        printf("\n");
    }
    return 0;
}
```

24:2

Open File

Custom Input

Run

Custom Input

```
10
triangle
```

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Input

```
10
triangle
```

Output

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

C Program to print pyramid like structure

Algorithm:

Step 1 : Start

Step 2 : Declare Variables x, y, n, a, z, s

Step 3 : Enter the limit

Step 4 : Initialise the Value of Variables

s=n, x=0, y=0, z=6

Step 5 : Do the following operations in loop

a) x=0 to n

b) a=1, x++

c) z=s to 0

d) print Space

e) z--

f) y=0 to x

g) print a

h) a=a*(x-y)/(y+1)

i) y=y+1

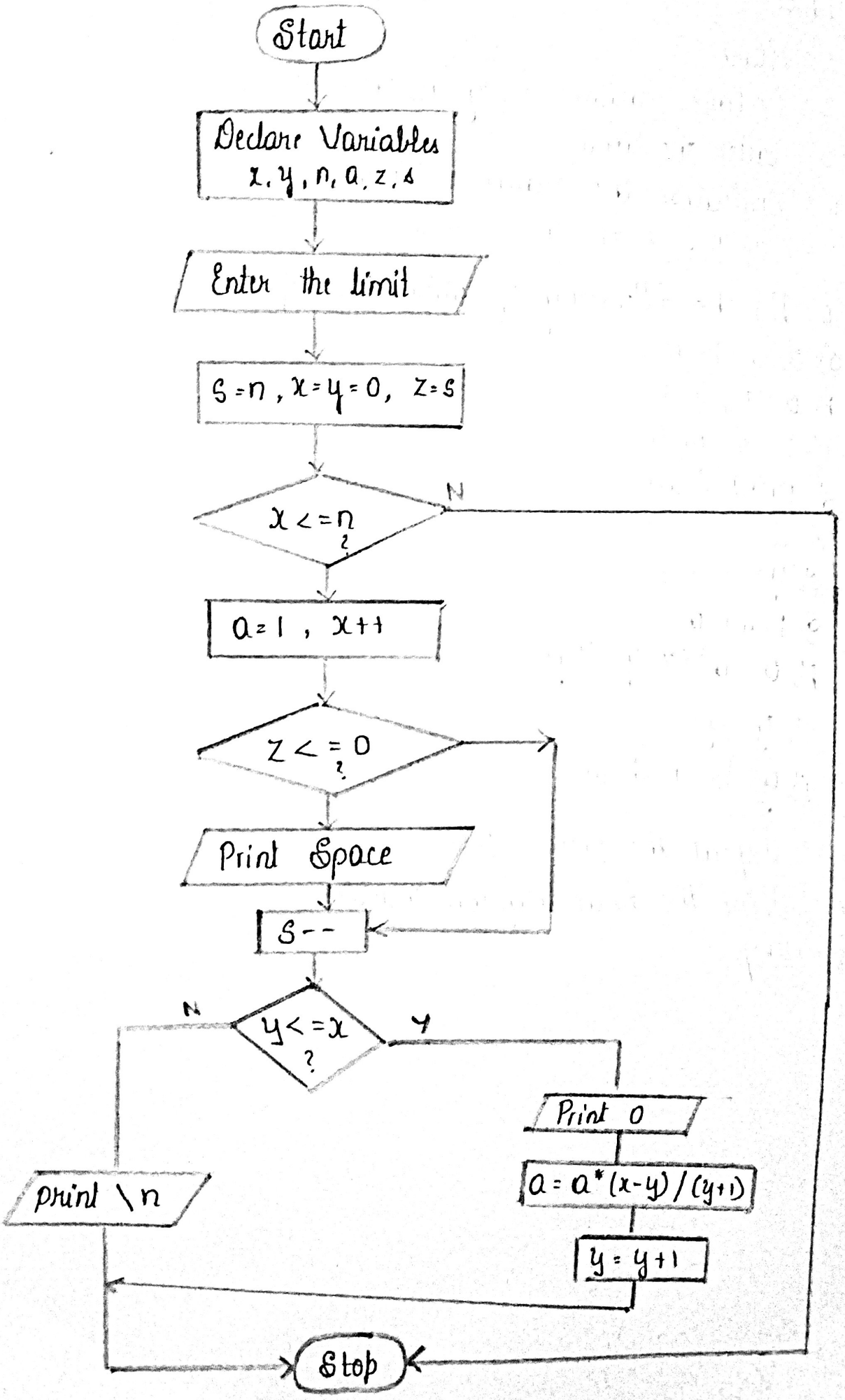
j) go to next line

Step 6 : Repeat the process to n

Step 7 : Print the final required triangle

Step 8 : Stop

Flow chard :


Start
Declare Variables
x, y, n, a, z, s
Enter the limit
s = n , x = y = 0, z = s
x <= n ?
N
a = 1 , x++
z <= 0 ?
Print Space
s--
y <= x ?
N
Y
Print 0
a = a*(x-y)/(y+1)
y = y+1
print \n
Stop