

Questions discussion

06 June 2023 19:47

1	1				
2	0	1			
3	1	0	1		
4	0	1	0	1	
5	1	0	1	0	1
	1	2	3	4	5

$\left\{ \begin{array}{l} 1 \rightarrow * \\ 0 \rightarrow \# \end{array} \right\}$

$\left\{ \begin{array}{l} \text{Increasing} \\ * \end{array} \right\} \quad \left\{ \begin{array}{l} \text{Decreasing} \\ \# \end{array} \right\}$

no. of lines = 5

r.no. + col.no.

Sum →

2

3-

4-

4-

5-

6

r. no.

1

2

2

3

3

3

col.no.

1

1

2

1

2

3

pattern

1-

0-

1-

1-

0-

1-

if (sum % 2 == 0)
cout << 1;

else cout << 0;

→ 1	1				
2	0	1			
→ 3	1	0	1		
4	0	1	0	1	
→ 5	1	0	1	0	1
	1	2	3	4	5

→ 3rd row.

first col = 1
5 — 0
TH — 1
+ — 0.

if row % 2 == 0.
f.c = 0;

with f.c.

if f.c == 0
f.c = 1

f.l = 1
like f.l = 0.

row	1	2	3	4	5	6	7	8	9
col	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	3	4	5	6	7	8	9	
3	3	4	5	6	7	8	9		
4	4	5	6	7	8	9			
5	5	6	7	8	9				

no. of lines = 5

r.no. col.no. value.
1 space

Space logic will be same.

Space \rightarrow (lines - rowno.)

for numbers. \rightarrow (2x rowno. - 1)

rowno.	start
1	1
2	2
3	3
4	4

pattern.

1
2 3 2
3 4 5 4 3
4 5 6 7 6 5 4

Stars.

num = num - 2

rows.

no. of numbers that are being printed

numbers start from rowno.

rowno.	Asc	Desc.
1	1	1
2	2	2
3	3	3
4	4	4

Asc \rightarrow no. of nos.
 \rightarrow rowno.
no. of nos.

15x9 \rightarrow matrix

\triangle 1 2 3 = *

\triangle 2 3 4 = #

\triangle while doing this with stars

3

this is for $n=9$

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

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

empty / hollow
wallow / hang, lass