Pattern Problems

18th - Doubt leadon

Agenda

- Inverted Stair
- Pattern with spaces
- Mirror Stair Pattern
- Pyramid
- Diamond Pattern

Given N = 4, Print below Star Pattern

Row =
$$\hat{c}$$

1 * * * * *

2 * * *

3 * *

1 * *

No of staw = $N - i + 1$

in each row

Stars N-i+1

Y-1+1=Y

Rows = N

Y-2+1=3

Y-3+1=2

Y-4+1=1

<u>Challenge:</u>

Given N = 5 print below pattern. _ indicates space



- 1) Observe behaviour across vous
- 2) Observe behavious over each vow

Behaviour	& Chonz	(each	1/0W
i)	tring	1	star	
2)	N-2	Spa	aces	
3)	Print 1	5	tar	
ч)	Print	New	line	Space

Given N = 5 print below pattern

Rows = N

Given N = 5 print below pattern

$$\lambda_{\text{lows}}$$
 λ_{lows}
 λ_{lows}

Break till 10:00 PM

Given N = 5 print below pattern

Row		<u> Leans</u>	N-14	Spacer	21-2
1	<u>****</u>	5	8-141	O	2(1)-2
2	<u>****</u>	Ч	5-241	2	2(2)-2
3	******	3	1-3H	4	2(1)-2
٩	****	2	5-441	6	2(4)-2
5	**	V	८न्डम	8	2(r)-2

No of vower

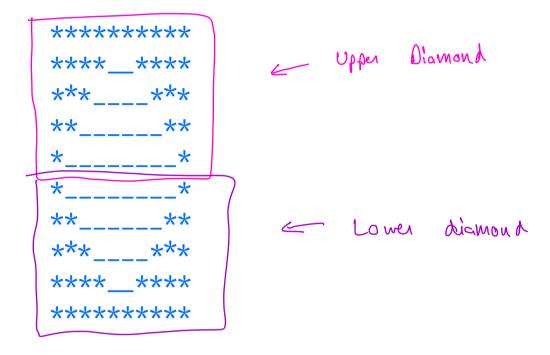
Across	NONT		
->	Stavs	=	N-i+1
<i>></i>)	Spaces	2	21.2
- 3	Stars	Σ	V-iH

Given N = 5 print below pattern

Row		Stavs	Spaces	2N-21
1	**	1	8	10-2(1)=8
2	****	2	в	10-2(2)=6
3	***	3	4	10-2(3) = 4
Ч	****	٩	2	10-2(4) = 2
5	****	5	0	10-26)=0
1	\			No of vows = N
	tore rows			

2(N-i) = 2N-2i

Given N = 5 print below pattern



Given N = 6, print below pattern.

Given N = 5, print the following pattern

Doubts

Thank

you

Next - Doubt Session lith
Next Class - Monday (21 st)

G you dear the transition test

Crood Night Thank You

Monday
(21 st)