

i=3

-> i=1

1)Pattern1 : Solid Square

\* \* \* \*

\* \* \* \*

**Square & Rectangle Patterns** 

owler = 3 inner = 4

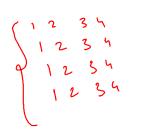
## Pattern2: Repeated Row Number Pattern in a Rectangle

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

$$\begin{array}{c|c}
 & \frac{1111}{2222} \\
 & 3333 \\
 & 4444
\end{array}$$

## Homework- Pattern3:

## **Square Number Pattern with Column Number Repetition**



#### Pattern4: Sequential Number Grid (3x3)

Sequential 3 vous

num =1

i= 1

j=1 j=1 j=1 j=1 j=1 j=1 j=2 j=2 j=2 j=3 j=3

ixjx

#### Pattern5: Alphabet Square

4
4
3 + 64
J 1 64
4 + 64
7 ' ' '
-

# Homework - Pattern6: Alphabet Square with Repeated Row

- a b c d
- a b c d
- a b c d
- a b c d

## Pattern7: Alphabet Square with Repeated Row Characters

A A A A B B B B B C C C C C D D D D D

$$i = 0$$

#### Homework-Pattern8:

#### Alphabet Square with Repeated Row-wise Lowercase Letters

- a a a a
- b b b b
- C C C C
- d d d d

# Pattern9: Sequential Alphabet Grid (3x3)

A B C
D E F
G H I

ABC num=1 DEF GHI JKC

char = A'

chal

Us + 1

#### Pattern 10: Alphabet Shifted Rows Pattern (3x3)

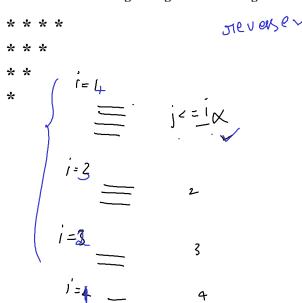
A B CB C DC D E

# **Triangle Patterns**

#### Pattern1: Right-Angled Triangle Star Pattern

4 50 60 (j=1)1 (j=1)5 (j=1)5 (j=1)4 (j=2)3 (j=2)4 (j=3)4 (j=3)4 (j=4)

## Pattern2: Inverted Right-Angled Star Triangle



$$i = 1$$
 $i = 2$ 
 $i = 2$ 
 $i = 3$ 
 $i = 4$ 
 $i =$ 

## Pattern3: Right-Angled Number Triangle Pattern

## Homework- Pattern4: Number Triangle with Repeated Digits

## Pattern5: Descending Number Triangle Starting from 4

contact 4

$$i = 1$$
 $i = 3$ 
 $i = 3$ 

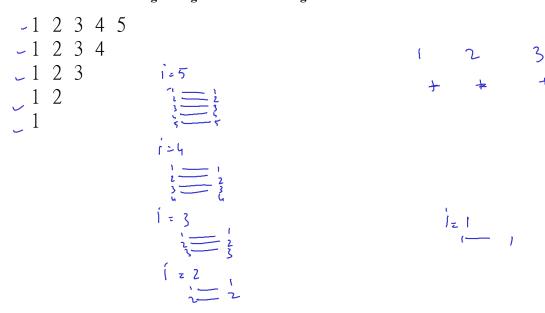
er Triangle Pattern

Hist ::

$$3 + (n-1) 2$$
 $3 + (n-1) 2$ 
 $3 +$ 

Tn: a+ (n-1)d

## Pattern7: Inverted Right-Angled Number Triangle

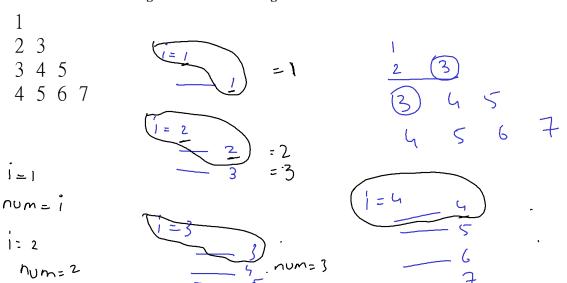


Homework- Pattern8: Inverted Repeating Number Triangle Pattern

# Pattern9: Sequential Number Triangle Pattern- Floyd's Triangle

_			
$\begin{array}{c} \frac{1}{2} \\ 3 \\ 4 \\ 5 \\ 6 \end{array}$		i=1 1 1 nun	nel
7 8 9 10	)	1=2 -2 -3	
		1=3	





#### Pattern 11: Reverse Number Triangle Pattern

## Pattern12: Right-Angled Alphabet Triangle Pattern

A
A
B
A
B
C
A
B
C
A
B
C
D
$$i=1$$
 $i=1$ 
 $i=$ 

## Homework- Pattern 13: Alphabet Repeating Triangle Pattern

A

ВВ

C C C

D D D D

Pattern 14: Sequential Alphabet Triangle Pattern

D E F G H I J

(hart +

#### Pattern 15: Sliding Alphabet Triangle Pattern

Pattern16: Reverse Start Alphabet Triangle Pattern

D

C D

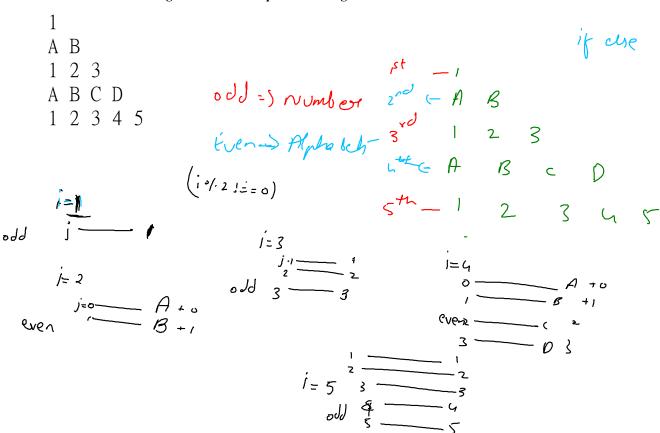
B C D

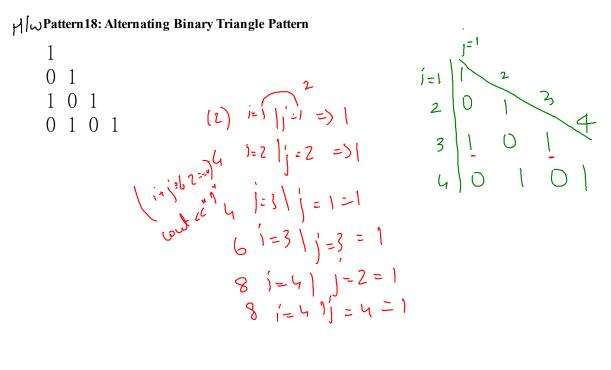
A B C D

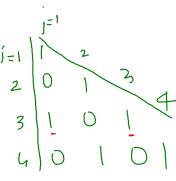
H|W

A B C D

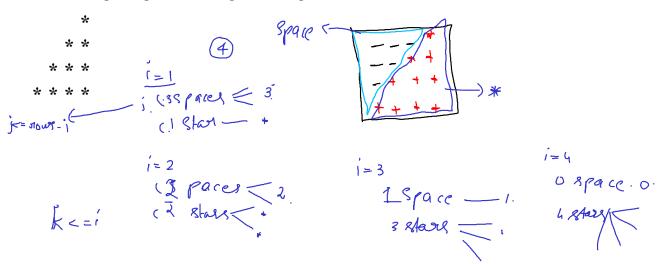
## Pattern 17: Alternating Number and Alphabet Triangle Pattern







Pattern19: Right-Aligned Increasing Star Triangle



Homework: Pattern20: Right-Aligned Decreasing Star Triangle

\* \* \* \* \* \* \* \* \* Homework: Pattern21: Right-Aligned Descending Number Triangle

Pattern22: Right-Aligned Inverted Repeating Number Triangle

- 1111
  - 2 2 2
    - 3 3
      - 4

Pattern23: Right-Aligned Repeating Number Triangle (Single Space Indent)

1		
$2\overline{2}$	4	
3 3 3	spa 10	
4 4 4 4	Number	=3 1