**Solve these question on both Python and Javascript**

**Pattern #1: Simple Number Triangle Pattern**

Pattern:

1

2 2

3 3 3

4 4 4 4

Python:-

rows = int(input("Enter number of rows: "))  
for i in range(rows):  
 for j in range(i):  
 print(i, end=' ')  
 print('')

**Javascript:-**

let n = 5; // height of pattern

let string = "";

// External loop

for (let i = 1; i <= n; i++) {

  // Internal loop

  for (let j = 1; j <= i; j++) {

    string += i;

  }

  string += "\n";

}

console.log(string);

**Pattern #2: Inverted Pyramid of Numbers**

Pattern:

1 1 1 1 1

2 2 2 2

3 3 3

4 4

5

Python:-

rows = int(input("Enter number of rows: "))  
b = 0  
for i in range(rows, 0, -1):  
 b += 1  
 for j in range(1, i + 1):  
 print(b, end=' ')  
 print('\r')

Javascript:-

**Pattern #3: Half Pyramid Pattern of Numbers**

Pattern:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

Python:-

rows = int(input("Enter number of rows: "))  
  
for i in range(rows):  
 for j in range(i+1):  
 print(j+1, end=" ")  
 print("\n")

Javascript:-

**Pattern #4: Inverted Pyramid of Descending Numbers**

Pattern:

5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

Python:-

rows = int(input("Enter the number of rows: "))  
  
for i in range(rows, 0, -1):  
 num = i  
 for j in range(0, i):  
 print(num, end=' ')  
 print("\r")

Javascript:-

**Pattern #5: Inverted Pyramid of the Same Digit**

Pattern:

5 5 5 5 5

5 5 5 5

5 5 5

5 5

5

Python:-

rows = int(input("Enter number of rows: "))  
num = rows  
  
for i in range(rows, 0, -1):  
 for j in range(0, i):  
 print(num, end=' ')  
 print("\r")

**Pattern #6: Reverse Pyramid of Numbers**

Pattern:

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

Python:-

rows = int(input("Enter numbers of rows: "))  
for i in range(1, rows):  
 for j in range(i, 0, -1):  
 print(j, end=' ')  
 print("")

**Pattern #7: Inverted Half Pyramid Number Pattern**

Pattern:

0 1 2 3 4 5

0 1 2 3 4

0 1 2 3

0 1 2

0 1

Python:- rows = int(input("Enter number of rows:"))  
for i in range(rows, 0, -1):  
 for j in range(0, i + 1):  
 print(j, end=' ')  
 print("\r")

**Pattern #8: Pyramid of Natural Numbers Less Than 10**

Pattern:

1

2 3 4

5 6 7 8 9

**Pattern #9: Reverse Pattern of Digits from 10**

Pattern:

1

3 2

6 5 4

10 9 8 7

Python:

- start = int(input("Enter the number for start: "))  
stop = int(input("Enter the number to stop: "))  
current\_num = stop  
for row in range(2, 6):  
 for col in range(start, stop):  
 current\_num -= 1  
 print(current\_num, end=' ')  
 print("")  
 start = stop  
 stop += row  
 current\_num = stop

**Pattern #10: Unique Pyramid Pattern of Digits**

Pattern:

1

1 2 1

1 2 3 2 1

1 2 3 4 3 2 1

1 2 3 4 5 4 3 2 1

**Pattern #11: Connected Inverted Pyramid Pattern of Numbers**

Pattern:

5 4 3 2 1 1 2 3 4 5

5 4 3 2 2 3 4 5

5 4 3 3 4 5

5 4 4 5

5 5

**Pattern #12: Even Number Pyramid Pattern**

Pattern:

10

10 8

10 8 6

10 8 6 4

10 8 6 4 2

rows = int(input("enter the rows: "))  
n = 2 \* rows  
s = n  
for i in range(1,rows+1):  
 s = n  
 for j in range(i):  
 print(s, end = ' ')  
 s -=2  
 print("\r")

**Pattern #13: Pyramid of Horizontal Tables**

Pattern:

0

0 1

0 2 4

0 3 6 9

0 4 8 12 16

0 5 10 15 20 25

0 6 12 18 24 30 36

rows = int(input("enter the rows: "))  
for i in range(0,rows):  
 for j in range(0,i+1):  
 print(i\*j,end=" ")  
 print("")

**Pattern #14: Pyramid Pattern of Alternate Numbers**

Pattern:

1

3 3

5 5 5

7 7 7 7

9 9 9 9 9

rows = int(input("enter the rows: "))  
i=1  
while i <= rows:  
 j = 1  
 while j <= i:  
 print((i\*2-1),end=" ")  
 j = j+1  
 i= i+1  
 print()

**Pattern #15: Mirrored Pyramid (Right-angled Triangle) Pattern of Numbers**

Pattern:

           1

         1 2

      1 2 3

   1 2 3 4

 1 2 3 4 5

**Pattern #16: Equilateral Triangle with Stars (Asterisk Symbol)**

Pattern:

            \*

           \* \*

          \* \* \*

         \* \* \* \*

        \* \* \* \* \*

       \* \* \* \* \* \*

      \* \* \* \* \* \* \*

print("Print equilateral triangle Pyramid using asterisk symbol ")  
size = int(input("Enter the size of triangle: "))  
m = (2 \* size) - 2  
for i in range(0, size):  
 for j in range(0, m):  
 print(end=" ")  
 m = m - 1  
 for j in range(0, i + 1):  
 print("\* ", end=' ')  
 print(" ")

**Pattern #17: Downward Triangle Pattern of Stars**

Pattern:

        \* \* \* \* \* \*

         \* \* \* \* \*

          \* \* \* \*

           \* \* \*

            \* \*

             \*

 rows = int(input("Enter the number of rows: "))  
k = 2 \* rows - 2  
for i in range(rows, -1, -1):  
 for j in range(k, 0, -1):  
 print(end=" ")  
 k = k + 1  
 for j in range(0, i + 1):  
 print("\*", end=" ")  
 print("")

**Pattern #18: Pyramid Pattern of Stars**

Pattern:

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

rows = int(input("Enter number of rows: "))  
  
for i in range(rows):  
 for j in range(i+1):  
 print("\* ", end="")  
 print("\n")