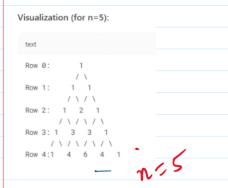
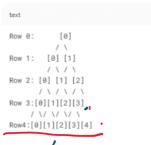
DiagramsTemplate

11 August 2025 16:25



Pascal's Triangle Index Structure



oldarr = [1] triangle = [oldarr]

for (rowindex = 1; rowindex < 5; rowindex++): newarr = new array of size (rowindex + 1)

for (col = 0; col <= rowindex; col++):

if (col == 0 or col == rowindex):

newarr[col] = 1

else:

newarr[col] = oldarr[col] + oldarr[col-1]

triangle.append(newarr) oldarr = newarr

Jiborasci Series

FUNCTION fibonacci(n):

IF n <= 0:

RETURN "Invalid input" // Handle invalid cases

ELSE IF n == 1:

RETURN [0] // First term is 0

ELSE IF n == 2:

RETURN [0, 1] // First two terms

sequence = [0, 1] // Initialize with first two terms

FOR i FROM 2 TO n-1:

OR i FROM 2 TO n-1: next_term = sequence[i-1] + sequence[i-2] sequence.APPEND(next_term)

RETURN sequence

Hrite