

Nested loop:

A loop inside another loop. the inner loop is executed fully each time the outer loop executes

It is useful for multi dimensional data structure and patterns.

Algorithm:-

Print a pattern of numbers where each line has increasing numbers up to the line number.

1. Initialize i to 1
2. Loop i from 1 to 5
3. For each i , loop j from 1 to i
4. Print the value of j
5. Print a newline character after the inner loop ends.
6. Repeat until the outer loop ends.