

For Loops Patterns

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1) Multiplication Table

Input: number, height

$$3 \times 1 = 3$$

$$3 \times 2 = 6$$

$$3 \times 3 = 9$$

$$3 \times 4 = 12$$

$$3 \times 5 = 15$$

2) Right Angled Triangle

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3) Left-Padded Right-Angle Triangle

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4) Inverted Triangle

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5) Inverted Right-Aligned Triangle

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6) Pyramid Pattern

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7) Number Triangle

1

22

333

4444

8) Continuous Number Triangle

1

2 3

4 5 6
7 8 9 10

9) Floyd's Triangle

1
2 3
4 5 6
7 8 9 10

10) Binary Triangle

1
0 1
1 0 1
0 1 0 1

11) Hollow Square

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12) Right-Angled Hollow Triangle

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13) Pascal's Triangle (basic version)

1
1 1
1 2 1
1 3 3 1
1 4 6 4 1

14) Diamond Pattern

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15) Checkerboard Pattern

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16) Multiplication Table Grid

1 2 3 4

2 4 6 8

3 6 9 12

4 8 12 16