**Algorithm**

**1.Right Triangle**

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**1>** start.

**2>** Read number row from user.

**3>** Initialize **i=1.**

**4>** Repeat step 4 to 10 until **row>=i**

**5>** Initialize **j=1.**

**6>** Repeat step 6 to 8 until **j<=i**

**7>** print \*

**8> j=j+1**

**9>** Go to next line

**10> i=i+1**

**11>** Stop

**2.Full Pyramid**

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**1>** start.

**2>** Read number **row** from user.

**3>** Initialize **i=1.**

**4>** Repeat step 4 to 10 until **i<=row-1**

**5>** Initialize **j=1.**

**6>** Repeat step 6 to 8 until **j<=(row\*2)-1**

**7>** if**(j>=r-i and j<r+i)**

then print \*

else

print **“ ”**

**8> j=j+1**

**9>** Go to next line

**10> i=i+1**

**11>** Stop

**3. Reverse Full Pyramid**

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**1>** start.

**2>** Read number **row** from user.

**3>** Initialize **i=1.**

**4>** Repeat step 4 to 10 until **i<=row**

**5>** Initialize **j=1.**

**6>** Repeat step 6 to 8 until **j<=(row\*2)-1**

**7>** if**(j>=i and j<=(r\*2)-i)**

then print \*

else

print **“ ”**

**8> j=j+1**

**9>** Go to next line

**10> i=i+1**

**11>** Stop

**4.Perfect Square**

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**1>** start.

**2>** Read number row from user.

**3>** Initialize **i=1.**

**4>** Repeat step 4 to 10 until **i<=row**

**5>** Initialize **j=1.**

**6>** Repeat step 6 to 8 until **j<=row**

**7>** print \*

**8> j=j+1**

**9>** Go to next line

**10> i=i+1**

**11>** Stop

**5. Inverted Right Triangle**

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**1>** start.

**2>** Read number **row** from user.

**3>** Initialize **i=1.**

**4>** Repeat step 4 to 10 until **i>=1**

**5>** Initialize **j=1.**

**6>** Repeat step 6 to 8 until **j<=i**

**7>** then print \*

**8> j=j+1**

**9>** Go to next line

**10> i=i-1**

**11>** Stop