

# Star Patterns Programs in Python

Pettern	Logic
<pre>       *      ***     *****    *********   ***********  11111111111           </pre>	<pre> rows = 5 for i in range(1, rows + 1):     print(' ' * (rows - i) +           '*' * (2 * i - 1))           </pre>
<pre> ***** ***** ***** *** *           </pre>	<pre> rows = 5 for i in range(rows, 0, - 1):     print(' ' * (rows - i) +           '*' * (2 * i - 1))           </pre>
<pre>       *      ***     *****    *********  11111111111  *****  *****  *****  ***  *           </pre>	<pre> rows = 5 #Upper half for i in range(1, rows + 1):     print(' ' * (rows - i) +           '*' * (2 * i - 1)) #Lower half for i in range(rows - 1, 0, -1):     print(' ' * (rows - i) +           '*' * (2 * i - 1))           </pre>
<pre>   *      *  **     **  ***    ***  ****   ****  *****  *****  *****  ****   ****  ***    ***  **     **  *      *           </pre>	<pre> rows = 5 #Upper half for i in range(1, rows + 1):     print('*' * i + ' ' * (2 * (rows - i))           + '*' * i) #Lower half for i in range(rows, 0, -1):     print('*' * i + ' ' * (2 * (rows - i))           + '*' * i)           </pre>

<pre> * ** *** **** ***** </pre>	<pre> rows = 5 for i in range(1, rows + 1):     print('*' * i) </pre>
<pre> ***** *   * *   * *   * ***** </pre>	<pre> rows = 5 for i in range(rows):     if i == 0 or i == rows - 1:         print('*' * rows)     else:         print('*' + ' ' *               (rows - 2) + '*') </pre>
<pre> ***** **** *** ** * </pre>	<pre> rows = 5 for i in range(rows, 0, -1):     print('*' * i) </pre>
<pre>       *      * *     *  *    *   *   *    *  *     * *      *  *     *   *    *    *   *     *  *      * *       * </pre>	<pre> rows = 5 #upper part for i in range(1, rows + 1):     print(' ' * (rows - i) +           '*' + ' ' * (2 * i - 3) +           ('*' if i &gt; 1 else ""))  #Lower part for i in range(rows - 1, 0, -1):     print(' ' * (rows - i) + '*' + ' ' *           (2 * i - 3) + ('*' if i &gt; 1 else "")) </pre>
<pre>       *      * *     *  *    *   *   *    *  *     * *      *  *     *   *    *    *   *     *  *      * *       * </pre>	<pre> rows = 5 for i in range(1, rows + 1):     if i == rows:         print('*' * (2 * i - 1))     else: </pre>



	<pre>&lt;= (i + n) * q)):     print('*', end='') else:     print(" ", end='') print()  if __name__ == "__main__":     main()</pre>
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