

C# Console • For Loop • Loops / Iteration Statement

## Print Star Pattern Program in C#

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# Star Series and Patterns Programs in C#

Half, Full, Incremented and Decrement Stars Series, Pyramid Pattern programs

### Program 1:

```
2
             static void Main(string[] args)
3
                 int i, j;
int MAX = 10;
4
5
6
7
                 for (i = 0; i < MAX; i++)
8
9
                      for (j = 0; j \le i; j++)
10
                          Console.Write("*");
11
12
13
                     Console.Write("\n");
14
15
                 Console.ReadLine();
            }
16
17
```

Output:



Home Basic Arrays Methods	C# Console >	Windows Form	WPF Form	Languages V	
	Pseudocode	Q			

### Program 2:

```
2
            static void Main(string[] args)
3
                int i, j;
int MAX = 10;
5
6
                 for (i = MAX; i >= 0; i--)
8
9
                     for (j = 0; j \le i; j++)
10
                         Console.Write("*");
11
12
                     Console.Write("\n");
13
14
15
                Console.ReadLine();
            }
16
17
```

### Output:

### Program 3:

```
2
            static void Main(string[] args)
3
            {
4
                int i, j;
5
                int space = 10;
6
7
                int MAX = space;
8
                for (i = 0; i < MAX; i++)
9
10
11
                    for (j = 0; j < \text{space}; j++)
12
13
                         Console.Write(" ");
14
                    for (j = 0; j \le i; j++)
15
16
                         Console.Write("* ");
17
18
19
                    Console.Write("\n");
20
21
                    space--;
22
23
                Console.ReadLine();
            }
24
25
```





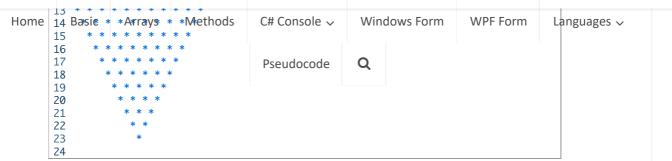
### Program 4:

```
2
            static void Main(string[] args)
3
4
                int i, j;
5
                int space = 10;
6
                int MAX = space+1;
7
8
                for (i = 0; i < MAX; i++)
9
10
11
                    for (j = 0; j < \text{space}; j++)
12
13
                        Console.Write(" ");
14
15
                    for (j = 0; j \le i; j++)
16
                         Console.Write("* ");
17
18
19
                    Console.Write("\n");
20
21
                    space--;
                }
22
23
24
                space = 0;
25
                for (i = MAX; i > 0; i--)
26
27
28
29
                    for (j = 0; j < \text{space}; j++)
30
                        Console.Write(" ");
31
32
33
                    for (j = 0; j < i; j++)
34
                    {
35
                        Console.Write("* ");
36
37
38
                    Console.Write("\n");
39
                    space++;
40
                Console.ReadLine();
41
42 }
43
```

### Output:

```
1
2  *
3  **
4  ***
5  ****
6  *****
7  *****
8  ******
9  ******
```





### Program 5:

```
2
            static void Main(string[] args)
3
4
                int i, j;
5
                int space = 0;
                int MAX = 10;
6
8
9
                for (i = MAX; i > 0; i--)
10
11
12
                    for (j = 0; j < i; j++)
13
                        Console.Write("*");
14
15
                    for (j = 0; j < \text{space}; j++)
16
17
                        Console.Write(" ");
18
19
20
                    for (j = 0; j < i; j++)
21
22
23
                        Console.Write("*");
24
25
26
                    Console.Write("\n");
27
                    space += 2;
28
29
                Console.ReadLine();
           }
30
31
```

### Output:

### Program 6:

```
1
2 static void Main(string[] args)
```



```
b
7 Basic
               Arrays foMetheds; j C# sonsole ~
Home
                                               Windows Form
                                                              WPF Form
                                                                         Languages ~
      8
      9
                         Console.Write("*");
                      10
                                               Q
     11
     12
     13
                  Console.ReadLine();
               }
     14
     15
```

```
1
2 *****
3 *****
4 *****
5 *****
6 *****
```

### Program 7:

```
2
            static void Main(string[] args)
4
                 int i, j;
5
                 int MAX = 10;
6
7
                 for (i = 1; i \le MAX; i++)
8
                     for (j = 1; j \le i; j++)
9
10
                          if (j == 1 \mid \mid j == i \mid \mid i == MAX)
11
12
                              Console.Write("*");
13
                         }
14
                         else
15
                         {
                              Console.Write(" ");
16
17
18
19
                     Console.WriteLine();
20
21
                 Console.ReadLine();
22
            }
23
```

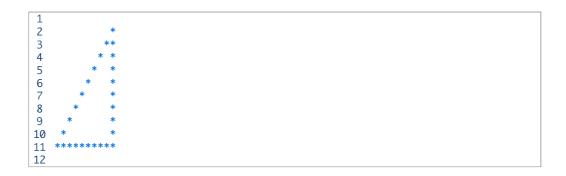
Output:

```
1
2 *
3 **
4 * *
5 * *
6 * *
7 * *
8 * *
9 * *
10 * *
11 *********
12
```

### Program 8:



```
ınt ı, j;
Arra¥§t MAMMeth<mark>o</mark>ds
Home
       5 Basic
                                          C# Console ~
                                                             Windows Form
                                                                                WPF Form
                                                                                               Languages ~
       6
                        for (i = 1; i \le MAX; i++)
       7
       8
                            for (j = i; j Psevidoiode
                                                            Q
       9
                                Console.Write(" ");
       10
       11
                            for (j = 1; j \le i; j++)
       12
       13
                                if (i == MAX || j == 1 || j == i)
       14
       15
                                    Console.Write("*");
       16
       17
       18
                                else
       19
       20
                                    Console.Write(" ");
       21
       22
       23
                            Console.WriteLine();
       24
       25
                       Console.ReadLine();
                   }
       26
       27
```



### Program 9:

```
static void Main(string[] args)
3
             {
                 int i, j;
int MAX = 10;
for (i = 1; i <= MAX; i++)</pre>
4
5
6
7
8
                      for (j = 1; j \le i; j++)
9
10
                          Console.Write("*");
11
12
                      Console.WriteLine();
13
                 for (i = MAX; i >= 1; i--)
14
15
                      for (j = 1; j < i; j++)
16
17
18
                          Console.Write("*");
19
20
                      Console.WriteLine();
21
22
                 Console.ReadLine();
             }
23
24
```

Output:



```
Home
       5 Basic
                           Methods
                                        C# Console ~
                                                        Windows Form
                                                                         WPF Form
                                                                                       Languages ~
                  Arrays
       6
       8
                                                       Q
                                        Pseudocode
       9
      10
      11
      12
      13
      14
      15
      16
      17 ****
      18 ***
      19 **
      20
      21
```

### Program 10:

```
2
    static void Main(string[] args)
3
                  int i, j, k;
int MAX = 10;
4
5
6
7
                  for (i = 0; i \leftarrow MAX; i++)
8
                       for (j = MAX; j > i; j--)
    Console.Write(" ");
9
10
11
12
                       for (k = 0; k \le i; k++)
13
                            if (k \% 2 == 0)
14
                                 Console.Write("0");
15
                            else
16
17
                                 Console.Write("1");
18
19
                       Console.Write("\n");
20
21
                  Console.ReadLine();
             }
22
23
```

### Output:

```
1
2
              0
3
             01
4
            010
5
           0101
6
         01010
7
        010101
8
       0101010
9
      01010101
10
     010101010
11
   0101010101
12 01010101010
13
```

### Program 11:

```
1
2 static void Main(string[] args)
3 {
```



```
tor (1 = 1; 1 <= MAX; 1++)

Methods C# Console >
       8 Basic
Home
                                                            Windows Form
                                                                               WPF Form
                                                                                              Languages ~
                   Arrays
       9
                            for (j = space; j >= i; j--)
       10
       11
                                Console.Wripseudölode
                                                            Q
       12
       13
       14
                            for (k = 1; k \le 1; k++)
       15
                            {
       16
                                Console.Write(k);
       17
       18
                            1 = 1 + 2;
                            Console.Write("\n");
       19
       20
       21
                       Console.ReadLine();
                   }
       22
       23
```

```
1
2 1
3 123
4 12345
5 1234567
6 123456789
```

### Program 12:

```
2
            static void Main(string[] args)
3
                int i, j;
char ch = 'A';
4
5
6
                int MAX = 10;
7
8
                for (i = 1; i \le MAX; i++)
9
10
                     for (j = 1; j \le i; j++)
11
12
                         Console.Write(ch++);
13
                     Console.Write("\n");
14
15
                Console.ReadLine();
16
            }
17
18
```

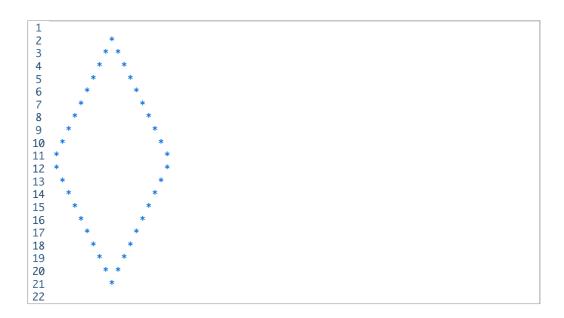
Output:

```
1
2 A
3 BC
4 DEF
5 GHIJ
6 KLMNO
7 PQRSTU
8 VWXYZ[\
9 ]^\_`abcd
10 efghijklm
11 nopqrstuvw
12
```

Program 13:

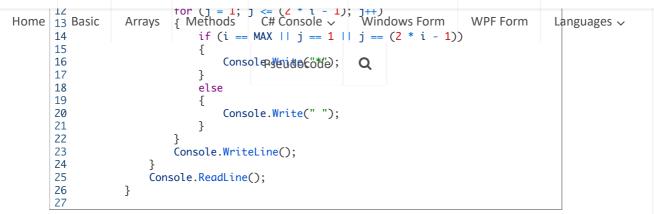


```
4
5 Basic
                   int i, j;
Arrayst splethods;
                                           C# Console ~
                                                            Windows Form
                                                                                WPF Form
Home
                                                                                               Languages V
                        int MAX = space;
       6
                        for (i = 1; i \le MAX; i++)
       7
       8
                                                            Q
                                           Pseudocode
                            for (j = MAX; j > i; j--)
       9
       10
                                Console.Write(" ");
       11
       12
                            Console.Write("*");
       13
                            for (j = 1; j < (i - 1) * 2; j++)
       14
       15
                                Console.Write(" ");
       16
       17
                            if (i == 1) Console.WriteLine();
       18
       19
                            else
                                Console.WriteLine("*");
       20
       21
       22
                        for (i = space; i >= 1; i--)
       23
       24
                            for (j = MAX; j > i; j--)
       25
                                Console.Write(" ");
       26
       27
                            Console.Write("*");
for (j = 1; j < (i - 1) * 2; j++)
       28
       29
       30
       31
                                Console.Write(" ");
       32
       33
                            if (i == 1) Console.WriteLine();
       34
                            else Console.WriteLine("*");
       35
       36
                        Console.ReadLine();
       37
                   }
       38
```



### Program 14:

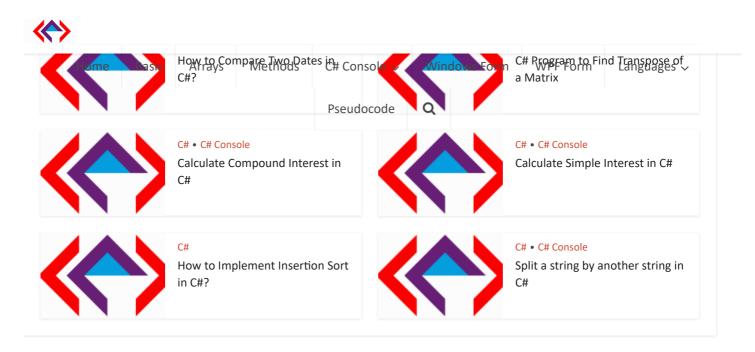






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				Pseudocode	Q		



Home	Basic	Arrays	Methods	C# Console ~	Windows Form	WPF Form	Languages 🗸
				Pseudocode	Q		



Home	Basic	Arrays	Methods	C# Console ~	Windows Form	WPF Form	Languages 🗸
				Pseudocode	Q		



Home	Basic	Arrays	Methods	C# Console ~	Windows Form	WPF Form	Languages 🗸
				Pseudocode	Q		



Home	Basic	Arrays	Methods	C# Console ~	Windows Form	WPF Form	Languages 🗸
				Pseudocode	Q		



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				Pseudocode	Q		



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				Pseudocode	Q		



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				Pseudocode	Q		

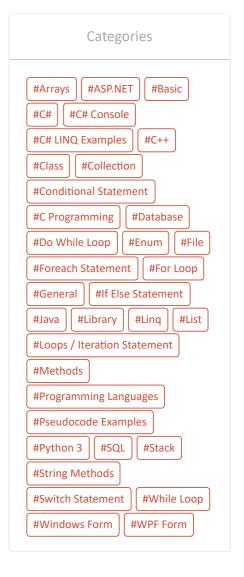


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Pseudocode Q

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