



```

55
56 // print ---> *****
57 //          *   *
58 //          *   *
59 //          *   *
60 //          *****
61 int n = 5;
62 for(int i=0;i<n;i++) //outer loops
63 {
64     for(int j=0; j<n;j++) //inner loops
65     {
66         if(i == 0 || i == 4 || j == 0 || j == 4)
67         {
68             System.out.print("*");
69         }
70         else
71         {
72             System.out.print(" ");
73         }
74     }
75     System.out.println();
76 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:24:16 pm – 5:24:30 pm)

```

*****
*   *
*   *
*   *
*****

```

```
79 //Q> print H Pattern ---->
```

```
80 //      *      *
```

```
81 //      *      *
```

```
82 //      *****
```

```
83 //      *      *
```

```
84 //      *      *
```

```
85 int n = 5;
```

```
86 for(int i=0;i<n;i++)
```

```
87 {
```

```
88     for(int j=0; j<n;j++)
```

```
89     {
```

```
90         if(j==0 || j==(n-1) || i==(n-1)/2)
```

```
91         {
```

```
92             System.out.print("*");
```

```
93         }
```

```
94         else
```

```
95         {
```

```
96             System.out.print(" ");
```

```
97         }
```

```
98     }
```

```
99     System.out.println();
```

```
100 }
```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:26:39 pm – 5:26:41 pm)

```
*      *
```

```
*      *
```

```
*****
```

```
*      *
```

```
*      *
```

```

102
103     // for + pattern
104
105     int n = 5;
106
107     for(int i=0;i<n;i++)
108     {
109         for(int j=0; j<n;j++)
110         {
111             if(i==(n-1)/2||j==(n-1)/2)
112             {
113                 System.out.print("*");
114             }
115             else
116             {
117                 System.out.print(" ");
118             }
119         }
120         System.out.println();
121     }
122 //
123 //

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:27:43 pm – 5:27:44 pm)

```

*
*
*****
*
*

```

```
132     for(int i=0; i<n; i++)
133     {
134         for(int j=0; j<n; j++)
135         {
136             if(j==(n/4) || i==(n/4) )
137             {
138                 System.out.print("*");
139             }
140             else
141             {
142                 System.out.print(" ");
143             }
144         }
145         System.out.println();
146     }
147
```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:29:58 pm – 5:29:58 pm)

```
*
*
*****
*
*
*
*
*
*
*
```



```

147
148
149 // for E pattern
150
151 int n = 5;
152
153 for(int i=0;i<n;i++)
154 {
155     for(int j=0; j<n;j++)
156     {
157         if(i==0 || i==(n-1)/2 || j==0 || i==(n-1))
158         {
159             System.out.print("*");
160         }
161         else
162         {
163             System.out.print(" ");
164         }
165     }
166     System.out.println();
167 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:30:59 pm – 5:31:00 pm)

```

*****
*
*****
*
*****

```

```

170 // for A pattern
171 int n = 10;
172 for(int i=0;i<n;i++)
173 {
174     for(int j=0; j<n;j++)
175     {
176         if(j==0 && i>0 || i==0 && j>0 && j<(n-1) || j==(n-1) && i>0 || i==(n-1)/2)
177         {
178             System.out.print("*");
179         }
180         else
181         {
182             System.out.print(" ");
183         }
184     }
185     System.out.println();
186 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:31:44 pm – 5:31:45 pm)

```

*****
*           *
*           *
*           *
*****
*           *
*           *
*           *
*           *
*           *

```

```

188 // B (half) pattern
189 int n = 9;
190 for(int i=0;i<n;i++)
191 {
192     for(int j=0; j<n;j++)
193     {
194         if(j==0 || i==0 && j<(n-1)/2 || j==(n-1)/2 && i>0 && i<(n-1)/2 || j==(n-1)/2 && i>(n-1)/2 && i<(n-1)
195             || i==(n-1)/2 && j<(n-1)/2 || i==(n-1) && j<(n-1)/2)
196         {
197             System.out.print("*");
198         }
199         else
200         {
201             System.out.print(" ");
202         }
203     }
204     System.out.println();
205 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:35:16 pm – 5:35:18 pm)

```

****
*   *
*   *
*   *
****
*   *
*   *
*   *
****

```



```

209 // I pattern
210 int n = 8;
211 for(int i=0;i<n;i++)
212 {
213     for(int j=0; j<n;j++)
214     {
215         if(i==0 || j==(n-1)/2 || i==(n-1))
216         {
217             System.out.print("*");
218         }
219         else
220         {
221             System.out.print(" ");
222         }
223     }
224     System.out.println();
225 }
226

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:37:42 pm – 5:37:43 pm)

```

*****
 *
 *
 *
 *
 *
 *
*****

```

```

225 //
226
227 // 0 pattern
228 int n = 9;
229 for(int i=0;i<n;i++)
230 {
231     for(int j=0; j<n;j++)
232     {
233         if(i==n/4 && j>n/4 && j<3*n/4 || j==n/4 && i>n/4 && i<3*n/4
234             || i==3*n/4 && j>n/4 && j<3*n/4 || j==3*n/4 && i>n/4 && i<3*n/4 )
235         {
236             System.out.print("*");
237         }
238         else
239         {
240             System.out.print(" ");
241         }
242     }
243     System.out.println();
244 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:44:51 pm – 5:44:54 pm)

```

    ***
 *   *
 *   *
 *   *
    ***

```

```

248 // G pattern
249 int n = 9;
250 for(int i=0;i<n;i++)
251 {
252     for(int j=0; j<n;j++)
253     {
254         if(j==0 && i>0 && i<(n-1)
255            || i==0 && j>0 && j<(n-1)/2
256            || j==(n-1)/2 && i>0 && i<= n/4 || i==(n-1) && j>0 && j<=n/4
257            || j==n/4 && i>= (n-1)/2 || i==(n-1)/2 && j>= n/4 && j<=(n-1)/2
258            || j==(n-1)/2 && i>=(n-1)/2 )
259         {
260             System.out.print("*");
261         }
262         else
263         {
264             System.out.print(" ");
265         }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:47:29 pm – 5:47:30 pm)

```

***
*   *
*   *
*
* ***
* * *
* * *
* * *
* * *

```

```

334
335 //For Space add a for(j) loop and print only space
336
337 for (int j=0; j<n/2;j++) {
338     System.out.print(" ");
339 }
340
341
342 // B (half) pattern
343
344 for(int j=0; j<n;j++)
345 {
346     if(j==0 || i==0 && j<(n-1)/2 || j==(n-1)/2 && i>0 && i<(n-1)/2 || i==n-1)

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:51:00 pm – 5:51:01 pm)

```

*****      *****      *****
*           *      *      *
*           *      *      *
*           *      *      *
*****      *****      *
*           *      *      *
*           *      *      *
*           *      *      *
*           *      *      *
*           *      *****      *****

```



```

375
376 // X pattern
377 int n = 9;
378 for(int i=0;i<n;i++)
379 {
380     for(int j=0; j<n;j++)
381     {
382         if(i==j || i+j==(n-1) || i==0 || j==0 || i==(n-1) || j==(n-1))
383         {
384             System.out.print("*");
385         }
386         else
387         {
388             System.out.print(" ");
389         }
390     }
391     System.out.println();
392 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:53:35 pm – 5:53:36 pm)

```

*****
**      **
* *    * *
*  *  *  *
*   *   *
*  *  *  *
* *    * *
**      **
*****

```



```

395
396 //For <> pattern Dimond
397 int n = 9;
398 for(int i=0;i<n;i++)
399 {
400     for(int j=0; j<n;j++)
401     {
402         if(i+j==(n-1)/2 || i-j==(n-1)/2 || j-i==(n-1)/2 || i+j==n-1 + (n-1)/2)
403         {
404             System.out.print("*");
405         }
406         else
407         {
408             System.out.print(" ");
409         }
410     }
411     System.out.println();
412 }

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:55:11 pm – 5:55:12 pm)

```

      *
     * *
    *   *
   *     *
  *       *
 *         *
*           *
*         *
 *       *
  *     *
   *   *
    * *
     *

```

```

417     int n = 12;
418     for(int i=0;i<n;i++)
419     {
420         for(int j=0; j<n;j++)
421         {
422             if( i==n/4 && j>n/4 && j<(3*n/4) || i==3*n/4 && j>n/4 && j<(3*n/4)
423                 || j==n/4 && i>n/4 && i<(3*n/4) || j==3*n/4 && i>n/4 && i<(3*n/4) || i==j && j>(n-1)/2)
424             {
425                 System.out.print("*");
426             }
427             else
428             {
429                 System.out.print(" ");
430             }
431         }
432         System.out.println();
433     }
434 //

```

Problems Progress Terminal Console Git Staging

<terminated> BasicLoops_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 5:56:50 pm – 5:56:50 pm)

```

*****
*       *
*       *
*   *   *
*   *   *
*       *
*****
      *
      *

```

```

8 //Print K ---->
9 int n = 8;
10
11 for(int i=0;i<n;i++)
12 {
13     for(int j=0; j<n;j++)
14     {
15         if(j==0 || i+j==(n-1)/2 || i-j==(n-1)/2)
16         {
17             System.out.print("*");
18         }
19         else
20         {
21             System.out.print(" ");
22         }
23     }
24     System.out.println();
25 }

```

Problems Progress Terminal Console Git Staging

<terminated> P1_P2_P3_P4_Pattern_Logic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:01:22 pm – 6:01:26 pm)

```

*  *
*  *
**
*
**
*  *
*  *
*   *

```



```

52     // same Pattern little diff
53     int n = 12;
54     for (int i=0; i<n;i++) {
55         for (int j=0; j<n;j++) {
56             if(j-i>=0 || i==0 && j>=(n-1)/2 || j==(n-1) && i<=(n-1)/2) {
57                 System.out.print("*");
58             }
59             else {
60                 System.out.print(" ");
61             }
62         }
63         System.out.println();
64     }
65 }
66

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:05:41 pm – 6:05:42 pm)

```

*****
*****
*****
*****
*****
*****
*****
*****
*****
*****
*****

```

```

75
76     int n = 15;
77     for (int i=0; i<n;i++) {
78         for (int j=0; j<n;j++) {
79             if(i-j>=(n-1)/2 //you can also change i-j>=(n-1)/2 to i-j>=0 to fill the upper spacy area
80                 || j==0 && i>=(n-1)/2
81                 || i==(n-1) && j<=(n-1)/2) {
82                 System.out.print("*");
83             }
84             else {
85                 System.out.print(" ");
86             }
87         }
88         System.out.println();
89     }
90 }
91

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:06:53 pm – 6:06:53 pm)

```

*
**
***
****
*****
*****
*****
*****
*****
*****

```

```

101
102     int n = 12;
103     for (int i=0; i<n;i++) {
104         for (int j=0; j<n;j++) {
105             if(i+j>=(n-1)+(n-1)/2 //you can also change i+j>=(n-1)/(n-1)2 to i+j>=(n-1) to fill the upper
106                 || j==(n-1) && i>=(n-1)/2
107                 || i==(n-1) && j>=(n-1)/2) {
108                 System.out.print("*");
109             }
110             else {
111                 System.out.print(" ");
112             }
113         }
114         System.out.println();
115     }
116 }
117

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:08:08 pm – 6:08:08 pm)

```

      *
     **
    ***
   ****
  *****
 *****
*****

```

Writable

Smart Insert

105 : 39 : 2110

```

127
128     int n = 17;
129     for (int i=0; i<n;i++) {
130         for (int j=0; j<n;j++) {
131             if(i+j<=(n-1)/2 || j-i>=(n-1)/2
132                 || i==0 || j==0 && i<=(n-1)/2
133                 || j==(n-1) && i<=(n-1)/2) {
134                 System.out.print("*");
135             }
136             else {
137                 System.out.print(" ");
138             }
139         }
140     }
141     System.out.println();
142
143 }

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:09:04 pm – 6:09:05 pm)

```

*****
*****
*****
*****
*****
*****
*****
*****
*****
*****

```



```

189
190     int n = 9;
191     for (int i=0; i<n;i++) {
192         for (int j=0; j<n;j++) {
193             if(i+j>=(n-1)/2 && i<= (n-1)/2 && j<= (n-1)/2
194                 || j-i<=(n-1)/2 && i<=(n-1)/2 && j>=(n-1)/2
195                 || i-j<=(n-1)/2 && i>=(n-1)/2 && j<=(n-1)/2
196                 || i+j<=(n-1)+(n-1)/2 && i>(n-1)/2 && j>(n-1)/2)
197             {
198                 System.out.print("*");
199             }
200             else {
201                 System.out.print(" ");
202             }
203         }
204         System.out.println();
205     }
206

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:11:13 pm – 6:11:13 pm)

```

*
***
*****
*****
*****
*****
*****
*****
*

```

```

217
218     int n = 11;
219     for (int i=0; i<n;i++) {
220         for (int j=0; j<n;j++) {
221             if(i+j>=(n-1)/2 && i<=(n-1)/2 && j<=(n-1)/2 || j-i<=(n-1)/2 &&i<=(n-1)/2 && j>=(n-1)/2)
222                 {
223                     System.out.print("*");
224                 }
225             else {
226                 System.out.print(" ");
227             }
228         }
229         System.out.println();
230
231     }
232 }
233
234
235

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:11:55 pm – 6:11:56 pm)

```

*
***
*****
*****
*****
*****
*****

```

```

243
244     int n = 11;
245     for (int i=0; i<n;i++) {
246         for (int j=0; j<n;j++) {
247             if(i-j<=(n-1)/2 && i>=(n-1)/2 && j<=(n-1)/2
248                 || i+j <= (n-1) + (n-1)/2 && i>(n-1)/2 && j>(n-1)/2
249                 || i==(n-1)/2)
250             {
251                 System.out.print("*");
252             }
253             else {
254                 System.out.print(" ");
255             }
256
257         }
258         System.out.println();
259
260     }
261

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:12:44 pm – 6:12:45 pm)

```

*****
*****
*****
*****
*****
*****

```

```

274
275     int n = 11;
276     for (int i=0; i<n;i++) {
277         for (int j=0; j<n;j++) {
278             if(i+j>=(n-1)/2 && i<=(n-1)/2 && j<= (n-1)/2
279                 || i-j <= (n-1)/2 && i>=(n-1)/2 && j<=(n-1)/2 )
280             {
281                 System.out.print("*");
282             }
283             else {
284                 System.out.print(" ");
285             }
286
287         }
288         System.out.println();
289     }

```

Problems Progress Terminal Console Git Staging

<terminated> Triangle_PatternLogic [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:13:24 pm – 6:13:24 pm)

```

*
**
***
****
*****
*****
*****
*****
****
***
**
*

```

```
40
41
42     int n = 4;
43     for (int i=1; i<=n;i++) {
44         for (int j=1; j<=n;j++) {
45             System.out.print(i + " ");
46         }
47         System.out.println();
48     }
49
50
51
52
53
```

Problems Progress Terminal Console Git Staging

<terminated> Pattern1 [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:14:27 pm – 6:14:28 pm)

```
1 1 1 1
2 2 2 2
3 3 3 3
4 4 4 4
```



```

25     int n =11;
26     for (int i=0; i<n;i++) {
27         for (int j=0; j<n;j++) {
28             if( i==0 || j==0 || i==(n-1)
29                 || i+j <= (n-1)/2 || i-j>=(n-1)/2)
30             {
31                 System.out.print("*");
32             }
33             else {
34                 System.out.print(" ");
35             }
36         }
37         System.out.println();
38     }
39 }

```

Problems Progress Terminal Console Git Staging

<terminated> Pattern4 [Java Application] C:\Program Files\Java\jdk-17.0.3\bin\javaw.exe (06-Jan-2023, 6:17:08 pm – 6:17:08 pm)

```

*****
*****
*****
****
***
**
*
**
***
****
*****
*****
*****

```