

```

1 package com.mukesh;
2
3 public class DiamondPattern {
4
5     public static void main(String[] args) {
6         System.out.println("The result is :");
7         for(int i=0;i<6;i++)
8         {
9             for(int j=6-i;j>1;j--)
10             {
11                 System.out.print(" ");
12             }
13             for(int k=0;k<=i;k++)
14             {
15                 System.out.print("* ");
16
17             }
18
19             System.out.println();
20         }
21         for(int i=6-2;i>=0;i--)
22         {
23             for(int j=6-i;j>1;j--)
24             {
25                 System.out.print(" ");
26             }
27             for(int k=0;k<=i;k++)
28             {
29                 System.out.print("* ");
30
31             }
32
33             System.out.println();
34         }
35
36     }
37 }
38
39 }
40
41

```

OUTPUT :

The result is :

```

44     *
45     * *
46     * * *
47     * * * *
48     * * * * *
49 * * * * * *
50 * * * * *
51 * * * *
52 * * *
53 * *
54 *

```

-----

INCREASING TRIANGLE :

```

58 package com.mukesh;
59
60
61 public class DiamondPattern {
62
63     public static void main(String[] args) {
64         System.out.println("The result is :");
65         StringBuilder sb=new StringBuilder();

```

```

66         for(int i=0;i<6;i++)
67         {
68             sb.append("* ");
69             System.out.println(sb);
70         }
71     }
72 }
73
74 }
75

```

76 OUTPUT :

78 The result is :

```

79 *
80 * *
81 * * *
82 * * * *
83 * * * * *
84 * * * * * *

```

85 -----

87 DECREASING TRIANGLE :

89 package com.mukesh;

```

91 public class DiamondPattern {
92     public static void main(String[] args) {
93         System.out.println("The result is :");
94         for(int i=0;i<6;i++)
95         {
96             for(int j=6-i;j>1;j--)
97             {
98                 System.out.print("* ");
99             }
100             System.out.println();
101         }
102     }
103 }
104
105 }
106
107 }
108

```

109 OUTPUT :

111 The result is :

```

112 * * * * *
113 * * * *
114 * * *
115 * *
116 *

```

117 -----

119 TIMER TYPE PATTERN :

121 package com.mukesh;

```

122 public class DiamondPattern {
123     public static void main(String[] args) {
124         System.out.println("The result is :");
125         for(int i=0;i<6;i++)
126         {
127             for(int j=0;j<i;j++)
128             {
129
130

```

```

131         System.out.print(" ");
132
133     }
134     for(int k=i;k<=6-1;k++)
135     {
136         System.out.print("* ");
137     }
138
139     System.out.println();
140 }
141 for(int i=6-1;i>=0;i--)
142 {
143     for(int j=0;j<i;j++)
144     {
145         System.out.print(" ");
146     }
147     for(int k=i;k<=6-1;k++)
148     {
149         System.out.print("* ");
150     }
151     System.out.println();
152 }
153
154
155
156 }
157
158 }
159

```

160 The result is :

```

161 * * * * *
162  * * * * *
163   * * * *
164    * * *
165     * *
166      *
167       *
168      * *
169     * * *
170    * * * *
171   * * * * *
172  * * * * *

```

173  
174  
175  
176  
177  
178