

```

1 import java.util.Scanner;
2
3 public class Diamond {
4
5     public static void main(String[] args) {
6
7         /*
8          *   ---/\
9          *   --/\
10         *   -/\
11         *   -----
12         *   \-----/
13         *   \--/\
14         *   ---/\
15         */
16         Scanner scan = new Scanner(System.in);
17
18         System.out.println("How large of a diamond would you like?");
19         int size = scan.nextInt();
20
21         for(int rows = 0; rows < size; rows++) {
22             for(int spaces = 0; spaces < size - rows; spaces++) { //starting large and getting smaller
23                 System.out.print(" ");
24             }
25             System.out.print("/");
26             for(int spaces = size - rows; spaces < size; spaces++) { //starting small and getting larger
27                 System.out.print(" ");
28             }
29             System.out.println("\\");
30         }
31
32         // for loop to run the rows
33         //for loop for the left side
34         //(starts small and gets bigger)
35         //print the left character (Without a newline)
36         //for loop for the middle spaces
37         //Starts large and gets smaller
38         //printing the right character (Newline here)
39
40
41     }
42
43 }
44

```