

```
1 // Ch 6 Demo least common multiple
2
3 import java.io.BufferedReader ;
4 import java.io.InputStreamReader ;
5 import java.io.IOException ;
6
7 public class Ch6DemoLCM
8 {
9     public static void main (String [] args) throws IOException
10    {
11        BufferedReader console = new BufferedReader (new
12            InputStreamReader (System.in));
13        System.out.print ("Please enter an integer: " );
14        String input1 = console.readLine ();
15
16        System.out.print ("\nPlease enter another smaller integer: " );
17        String input2 = console.readLine ();
18
19        int num1 = Integer.parseInt (input1);
20        int num2 = Integer.parseInt (input2);
21
22        int i = 1;
23        int m = num1;
24
25        while (m % num2 != 0)
26        {
27            i ++;
28            m = i * num1;
29        }
30
31        System.out.println ("\nThe least common multiple is: " + m);
32    }
33 }
```