

```

1  import java.util.Scanner;
2  class MyCalculator {
3      long power(int n, int p) throws Exception
4      {
5          if(n < 0 || p < 0)
6              throw new Exception ("n or p should not be negative.");
7          else if (n == 0 && p == 0 )
8              throw new Exception ("n and p should not be zero.");
9          else
10             return (long)Math.pow(n,p);
11     }
12 }
13
14
15  public class Solution {
16      public static final MyCalculator my_calculator = new MyCalculator();
17      public static final Scanner in = new Scanner(System.in);
18
19      public static void main(String[] args) {
20          while (in .hasNextInt()) {
21              int n = in .nextInt();
22              int p = in .nextInt();
23
24              try {
25                  System.out.println(my_calculator.power(n, p));
26              } catch (Exception e) {
27                  System.out.println(e);
28              }
29          }
30      }
31  }

```