

```

1 import java.io.*;
2 import java.util.*;
3 import java.lang.Exception;
4
5 public class Solution {
6
7     public static void main(String[] args) {
8         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
9         Calculator calc = new Calculator();
10        Scanner scanner = new Scanner(System.in);
11        while(scanner.hasNextInt()){
12            try{
13                int n = scanner.nextInt();
14                int p = scanner.nextInt();
15
16                System.out.println(calc.checkItOut(n, p));
17            } catch (Exception e){
18                System.out.println(e);
19            }
20        }
21    }
22
23 }
24
25 class Calculator{
26     public static long checkItOut(int n, int p) throws Exception{
27         long result = 0;
28         if(n < 0 || p < 0){
29             throw new Exception("n or p should not be negative.");
30         }
31
32         else if(n == 0 && p == 0){
33             throw new Exception("n and p should not be zero.");
34         } else {
35             result = (long)Math.pow(n, p);
36         }
37         return result;
38     }
39 }

```