

```
1 // Program that finds force
2 import java.util.Scanner;
3 public class Solution {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6         int f = 1;
7         System.out.print("ENTER A NUMBER : ");
8         int N = input.nextInt();
9         System.out.print("ENTER NUMBER OF FORCE : ");
10        int F = input.nextInt();
11        for (int i = 1; i <= F; i = i + 1) {
12            f = f * N;                // 3^2=3*3=9, 4^3=4*4*4=64...
13        }
14        System.out.print(f);
15
16    }
17 }
18
```