**a^b (Set 1)**

[maths](http://practice.geeksforgeeks.org/tag-page.php?tag=maths%20&isCmp=0)

For two given positive numbers a and b. Find a^b.

**Input:**  
The first line contains an integer 'T' denoting the total number of test cases. In each test cases, there are two numbers a and b.

**Output:**  
Find a^b.

**Constraints:**  
1 <= T <= 30  
1 <= a <= 10  
1 <= b <= 10

**Example:**  
Input:  
2  
1 1  
5 2

Output:  
1  
25

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problem-page.php?level=-1&pid=199>

#include <iostream>

#include <stdio.h>

#define ll long long int

using namespace std;

int main() {

    int t;

    scanf("%d", &t);

    while(t--) {

       int a,b;

       scanf("%d %d", &a, &b);

       ll prod=1;

       for(int i =0; i < b; i++) {

            prod\*=a;

       }

       printf("%lld**\n**", prod);

    }

    return 0;

}