

<https://course.acciojob.com/idle?question=b033a0f2-f7c2-4068-a5b3-04f0b08fdd87>

● EASY

● Max Score: 20 Points

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Power Finder

Pickles have two numbers A, B. He wants to find the value of A raised to power of B (i.e A^B). Help him achieve the task.

Note

Make use of inbuilt functions. Don't forget to type cast your answer.

Input Format

First line of input contains a single integer T, the number of test cases.

Followed by T lines of input containing 2 space separated integers A and B.

Output Format

Print a single integer, power of A raised to B.

Example 1

Input

```
2
2 5
5 0
```

Output:

32
1

Explanation:

2 raised to power of 5, 2^5 is 32.

5 raised to power of 0, 2^0 is 1.

Example 2

Input

1
3 3

Output:

9

Explanation:

3 raised to power of 3 is 9.

Constraints

$1 \leq T \leq 10$

$0 \leq A, B \leq 10$

Topic Tags

My code

```
// n java  
import java.util.*;
```

```
class Solution {
    static void powerAtoB(int base, int exponent)
    {
        //Write your code here
        long ans=1L;
        for(int i=0;i<exponent;i++)
            ans=ans*base;
        System.out.println(ans);
    }
}
```

```
public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int t=sc.nextInt();
        while(t-->0){
            int a= sc.nextInt();
            int b= sc.nextInt();
            Solution Obj = new Solution();
            Obj.powerAtoB(a,b);
        }
    }
}
```