

<https://course.acciojob.com/idle?question=092e96b3-18c0-44bc-8a51-5884ff69871d>

● EASY

● Max Score: 30 Points

●

Find power of a number

Ninja is sitting in an examination hall. He is encountered with a problem statement, "Find 'X' to the power 'N' (i.e. 'X' ^ 'N'). Where 'X' and 'N' are two integers." Ninja was not prepared for this question at all, as this question was unexpected in the exam. He is asking for your help to solve this problem. Help Ninja to find the answer to the problem.

Note

For this question, you can assume that 0 raised to the power of 0 is 1.

Input format

The first line of input contains two integers 'X' and 'N' (separated by space).

Output Format

The only line of output will contain a single integer which will be equal to X^N (i.e. X raise to the power N).

Example 1

Input

5 2

Output

25

Explanation

Given $X = 5$ and $N = 2$. So, $5^2 = 25$. As $5 * 5 = 25$.

Example 2

Input

9 3

Output

729

Explanation

Given $X = 9$ and $N = 3$. So, $9^3 = 729$. As $9 * 9 * 9 = 729$.

Constraints

$0 \leq X \leq 10$

$0 \leq N \leq 10$

Topic Tags

- Math

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int m=s.nextInt();
        int p=1;
        for(int i=0;i<m;i++)
            p=p*n;
        System.out.print(p);
    }
}
```