//calculate power using recursion

#include <iostream>

using namespace std;

int calculatePower(int, int);

int main()

{

int base, powerRaised, result;

cout << "Enter base number: ";

cin >> base;

cout << "Enter power number(positive integer): ";

cin >> powerRaised;

result = calculatePower(base, powerRaised);

cout << base << "^" << powerRaised << " = " << result;

return 0;

}

int calculatePower(int base, int powerRaised)

{

if (powerRaised != 0)

return (base\*calculatePower(base, powerRaised-1));

else

return 1;

}