#include <stdio.h>

double power(double base, int exponent) {

double result = 1;

for (int i = 0; i < exponent; i++) {

result \*= base;

}

return result;

}

int main() {

double base;

int exponent;

printf("Enter the base: ");

scanf("%lf", &base);

printf("Enter the exponent: ");

scanf("%d", &exponent);

double result = power(base, exponent);

printf("%.2lf raised to the power of %d is %.2lf\n", base, exponent, result);

return 0;

}