1 August

**C Program to Calculate the Power of a Number.**

#include <stdio.h>

int main() {

int base, exp;

long long result = 1;

printf("Enter a base number: ");

scanf("%d", &base);

printf("Enter an exponent: ");

scanf("%d", &exp);

while (exp != 0) {

result \*= base;

--exp;

}

printf("Answer = %lld", result);

return 0;

}

**Output:**

Enter a base number: 3

Enter an exponent: 4

Answer = 81