**C pro Armstrong number:**

#include <stdio.h>

#include <math.h>

int main() {

int num, originalNum, remainder, n = 0;

float result = 0.0;

printf("Enter an integer: ");

scanf("%d", &num);

originalNum = num;

while (originalNum != 0) {

originalNum /= 10;

++n;

}

originalNum = num;

while (originalNum != 0) {

remainder = originalNum % 10;

result += pow(remainder, n);

originalNum /= 10;

}

if ((int)result == num)

printf("%d is an Armstrong number.\n", num);

else

printf("%d is not an Armstrong number.\n", num);

return 0;

}

**Out put;**

Enter an integer: 17

17 is not an Armstrong number.

=== Code Execution Successful ===