#include <stdio.h>

#include <math.h>

int main()

{

float x1, x2, a;

printf("请输入a=");

scanf\_s("%f", &a);

x1 = a / 2;

x2 = (x1 + a / x1) / 2;

do

{

x1 = x2;

x2 = (x1 + a / x1) / 2;

} while (fabs(x1 - x2) >= 1e-5);

printf("%8.5f的根是%8.5f\n", a,x2);

return 0；