**Write a program to read the values of coefficients a, b and c of a quadratic equation ax2+bx+c=0 and find roots of the equation.**

**#include<stdio.h>**

**#include<conio.h>**

**#include<math.h>**

**int main()**

**{**

**float a,b,c,d,root1,root2;**

**printf("Enter the value of a,b,c:\t");**

**scanf("%f%f%f",&a,&b,&c);**

**d=(b\*b)-4\*a\*c;**

**if (d>=0)**

**{**

**root1=(-b+sqrt(d))/(2\*a);**

**root2=(-b-sqrt(d))/(2\*a);**

**printf("\nThe root of the equation are %f and %f",root1,root2);**

**}**

**else**

**{**

**d=d\*(-1);**

**root1=sqrt(d)/(2\*a);**

**printf("The root of the equation are:\n%f+i(%f)",(-b/(2\*a)),root1);**

**printf("\n%f-i(%f)",(-b/(2\*a)),root1);**

**}**

**return 0;**

**}**