```
#include <stdio.h>
#include <conio.h>
#include < math.h>
int main()
{
float a,b,c,d, r1, r2, real, img;
Printf ("Enter co-efficients a, b and c:");
scanf("%f %f %f", &a, &b, &c);
d = b*b-4*a*c;
if(d>0)
{
printf(" Roots are real and distinct\n");
r1 = (-b + sqrt(d))/(2*a);
r2 = (-b-sqrt(d))/(2*a);

Printf ("Root 1 = %f and root2=%f", r1, r2);
}
else if (d == 0)
{
printf("Roots are real and equal \n");
r1 = r2 = -b/(2*a);
Printf ("root 1= root2 = %f", r1);
}
else
{

Printf (" Roots are imaginary\n");
real = -b/(2*a);
img = sqrt (-d) / (2*a);

Printf ("root 1 = %f+i%f and root2= %f-i%f",real, img, real, img) ;
}
getch();
return 0;
}
```