## Experiment No: 12

## **Experiment Name:** Bharaskular Formula

# **Code:**

# include<stdio.h>

# include<math.h>

int main () {

float a,b,c,r1,r2,d;

printf ("a b c input the value : ");

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

// Equation

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

if (d>0) {

r1 = -b+sqrt (d) / (2\*a);

r2 = -b-sqrt (d) / (2\*a);

printf ("Root = %f %f", r1, r2);

}

else if (d==0) {

r1 = -b/(2\*a);

r2 = -b/(2\*a);

printf ("Root =%f %f", r1, r2);

}

else

printf("Imaginary Result");

return 0;

}

# **Input:**

a b c input the value :

4

25

7

8

# 

# **Output:**

Root =-22.168812

Root = -27.83118