hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ cc roots\_quad.c -lm

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the co-efficients of a,b and c:1 1 1

The roots are imaginary

The roots are

r1=-0.500000+i0.866025

r2=-0.500000-i0.866025

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the co-efficients of a,b and c:1 2 1

The roots are real and equal

the two roots are r1=r2=-1.000000

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the co-efficients of a,b and c:1 6 5

The roots are real and distinct

The roots are r1=-1.000000 and r2=-5.000000

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the co-efficients of a,b and c:0 5 3

co-efficient a of quadratic equation can not be zero

Its a linear equationhp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the co-efficients of a,b and c:1 -1 1

The roots are imaginary

The roots are

r1=0.500000+i0.866025

r2=0.500000-i0.866025

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the co-efficients of a,b and c:1 2 3

The roots are imaginary

The roots are

r1=-1.000000+i1.414214

r2=-1.000000-i1.414214