

LAB:04

QUESTION:01

PROGRAM

INPUT

```
import cmath
def quad(a,b,c):
    d=((b**2)-(4*a*c))
    x=cmath.sqrt(d)
    if(a>0):
        s1=(-b+x)/2*a
        s2=(-b-x)/2*a
        return s1,s2
    else:
        print("solution not possible")
a=float(input("enter first term"))
b=float(input("enter second term"))
c=float(input("enter third term"))
x1,x2=(quad(a,b,c))
print("the solutions are {0},{1}".format(x1,x2))
```

OUTPUT

enter first term6

enter second term4

enter third term3

the solutions are (-12+22.44994432064365j),(-12-22.44994432064365j)

Process finished with exit code 0