```
12/12/23
                                                  LAB-1
- Develope a rava program that prints all real solutions to
  the quadratic equations an't brite =0. Read in 9,5, c &
  use the readratic formula. If The discuminate b2-4ac is negative
  display a manage stating that there are no real solutions.
  IIP:
      import java util scanner :
       class Quadratic
              int a, b, c;
             double ri, rz, d;
              void getal)
            Scanner Sc= new Scanner (System.in);
             System out printin ("Enter coepatients a, b, c");
              a = Sc.nextInt();
              b= sc-next Int();
              C= Scrent Int();
          ( ) stugness bios
                   System. out. printin ("Not a guadratic equation")
```

System out printin ("Firther a non zero value for ai");

```
a = S-next Int();
     d= 6"b-4"a"c;
     if (d= =0)
       System out printing ("Rooks one real and equal")
       System . Out println ("Root1 = Root 2= "+ Y1);
 elx if (2>0)
     1 of (b) + (Harn sprt (d)) (double) (20)
     1. (-b) - (Hath-sqit (d))) (double) (2+a);
    System-out. printly ("Root1="+x, + 1 Root2 = "+12);
exe et (dco)
        System out. Printen ( Rooks are imaginary").
        Y = (- b) (2ta);
        Ye= Hath- sqrt (-d) (2"a);
        System cout. Printer ( Poeti = "+r,+"+i"+r2);
        588km out fronts (" Poots "+ 1,+" -1"+12);
```

```
Class Quadratic Main
           Quadritic q = new Quadratic ().
          q. getdli);
          Systemant. point ("S. pronou Reddy - 1BM 22CLS 281");
्री
    Enter wellicients
     Rooks are real and equal
     Root 1 = Root 2 = -1
      S. Pronou Reddy - 10M2NUSZ81
 2) Fatur cognitions a, b, c
       Rook ore imaginary
        Footle - 1+14142135623731i
        Root & = -1-1.4.421 35623731;
```

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3) Frita coephilents a, b, (

Roots are imaginary

Root = -0.75+1.86124949959967

ROOTI = -0.75-1.56124949959961

it book sociation S. Pranar Reddy - IBH 2265281

4.) Enter Logniecients a, b, i

> B. James J. James and J. Commission of the Commi foots are feel and distinct

Pot 1 = -0,2679491924311221

Roota = -3-+32010807568877

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