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Sagar, I: Bangan
  import java util.
                           1BM22C5231
1) Quadrate Equation
   import java util. Scanners
           class guadratic &
               int a, b, c;
               double 11,12,d;
               void getd() {
                    Scanner eg = new scanner (System.in);
                    System out printin Laquet
                    System. our. print in ("Enter the co-efficients
                      of a,b,c";
                     a = s_next Int ();
                     b=5.nextInt();
                     c = SinuxtInt();
               void computer()
                      while (a==0)
                     & System.out. printin ("Not a quadratic
                          equation");
                       System. Ow. println ("Enter a non zero
                          value for a:");
                       Scanner s = new scanner (system.in);
                        a=s.nextInto;
                      d= b*b-4+a+c;
                      if (d = = 0)
                      { r1 = (-b)/(2 +a);
                       System. our println ("Roots are real
                              and equal");
```

```
System. Out. println ("Root2 = Root2 = "+ r1);
           else if (d>0)
               n = ((-b) + (Math. sqrt(d)))/ (double) (2*a);
               12 = ((-b) = - (Math. squr(d)))/ (double) (2*a);
              System.out. printin ("Rooks at real and distinct");
              System. Out. println ("Root1="+r1+"Root2="+r2);
         else if (d(0)
             System. Our. printin ("Rods are imaginary");
              11 = (-b)/(2*q);
              12 = Math. squrt (-d)/(2*0);
             System. out. printin ("Root1 ="+1+""+1+""+12);
             System. our. prinkln ("Root1 ="+1+"1"-1+""+12);
       QuadranceMain
Class.
          public static void main (String agg [])
                  Quadratic q = new Quadratic ();
                   9. gold(1)
                   g. compute 1);
                  System.ow. prontin ("Sugar Bungari -1 BM22(5231)
```

```
ow put
 -4
 4
 ROOD are Root 1 = 2 and Root 2 = 2.
 1
-2
 4
Roots an imaginary
 1
 -5
 6
 Roots an Roots = 2 and Root 2 = 3
```