```
Q. Write a program to print all real solutions for a quadrate
  equation ax2+bx+C=0.
   impost java.io. *;
   impost java. util. Scannes;
   class and Eq-calc {
       public static void main (string [] oxgs) {
           int y=0;
           Scanner sc: new Scanner (System.in);
            System, out println ("Greneral form of a quadratic equation is
                                                      ax^2+bo1+c=0"):
            dof
               System out, print "In Entex value of a= ");
               int a=sc.nextInt();
               System. out. print "In Enter value of b= ");
               int b=scnextInt();
               System. out. print("In Enter value of C= ");
               int c=sc.nextInt();
               Float d= (float) (Math. pow(b, 2)-4*a*c);
               if (d<0) {
                  System. out. print ("There are no real solutions");
                else if (d==0) {
                  System.out.print ("It has one repeated root (2 equal
                                         800ts): ");
                  float 8=-6/2.0f*a);
                  System, out. print (x="+x);
                                           of Loupe el"+in altale
               else {
                    System. out. print ("It has two distinct roots:");
                    double &1=((b+Math.sqst(d))/(2+a));
                    System.out.print (Su = "+v);
                    double 82=((-b-Math. sqot (d)) | (2*a));
                    System.out.println("x2 = "+x2);
               System, out println (InDo you want to calculate again? (yes=0 or
                y=sc.nextInt();
                                                            no=1): ");
               } while (y==0);
```

Output: Genexal form of a quadratic equation is $ax^2z+bx+c=0$ Enter value of a=1Enter value of c=3It has two distinct roots: x=-1.0 x=-3.0Do you want to calculate again? (yes=0 and no=1): 0Enter value of a=10Enter value of b=8Enter value of c=6There are no real solutions

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C:\3177-java Quad.Eq.cal.
Errors: Could not find or load main class Quad_Eq.cal
C:\3177-java Quad_Eq.cal.
Ling Moditable (Found Error): Quad_Eq.cal (wrong name: Quad_Eq.cal)

C:\3177-java Quad_Eq.cal
General form of a quadratic equation is ax*2+bx+c=8

Micro value of a=1
Enter value of a=2
Enter value of c=12
It has two distinct roots:
xi=0.0

Do you want to calculate again7(yes=0 and no=1):

Enter value of a=2
Enter value of b=4
Enter value of b=4
Enter value of b=4
Enter value of c=1
Enter value of c=3
Enter value of c=4
Enter value of c=5
Enter value of c=

C:\Windows\System32\cmd.e × + v