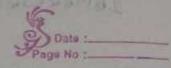


```
7. Pevelop a java program that prints all real solutions of equation ax + bx + c = 0
import java util Scanner;
dass Quadratic
    double 81, 82, d;
    void get d()
    Scanner & new Scanner (System in);
      System out printly ("Enter the coefficients
       of a;b, (:");
      a = s. nextInt();
      b=5. nextInt():
       c = s. next Int():
    void compute ()
       while (a == 0)
         System. out pointly ("Not a quadratic
                equation");
         System. out. println ("Enter a non zero
              value for a: ");
         Scanner s = new Scanner (System in);
        a = s - next Int ();
      if (d==0)
```



81= (-b)/(2*a); . System out point by ("Roots are real and equal"); System. out : point In ("Root 1 = Root 2 = " + 81); else if (d>0) 81 = ((-b) + (Math. sqxt(d)))/(double)(2) x2: ((-b) - (Math. sqxt(d))) / (double)(2ta) System out pointly ("Rosts are real and distinct); System. out : println (" Root 1 = " + 81 + " Root 2= " + 02); else it (d<0) System out pointle ("Roste are imaginary") 81 = (-6)/(2 ta); 1 82 = Math. sq 8t (-d) / (2*a); System. out. pointln ("Ropt 1 = " + of + " + i + o) = System.out. pointln ("Root 2 = "+ 1+ 1-1"+ +3) class Quadratic Main public static void main (string args[])

1BM 22 C5219 Ranjan Devi Quadratic q= new Quadratic (); q.getd(); q.compute(); OUTPUT ! Enter the cofficients of a, b, c: 1 2 Roots are ocal and equal. Root 1 = Root 2 = -1