1. Java Pologram that sprints call rual solutions to the quadratic equation ax2, bx+ c = 0. Read in a, b, c cand was the quadratic formula. If the association that there is negative, display a message estating that there care no rual solutions.

```
Priog.
- umport java. wil . Scannor;
 import java. lang. Math;
 class quadratic &
  unt a, b, c;
  double 011, 012, d;
   Learner s = new scarner (system . in);
   world guardata ()
   System. out. printer ("Enter a, b, c values:");
   a = s. nextInt ();
   b = s. nexiont ();
   c = 8. nextInt ():
   3
   word compute ()
   while (a = =0)
   system. out printer l'the equation is not quadratic,
                          ou - enter the a value:");
     a > s. ruxt Int ().
   d + b + b - 4 + a + C .
    if (d>0) &
```

311 = (-b+ Math. sqrt (d))/(double) (3+a);

572 - (-6- Math. squt(d))/(double)(2+0);

```
System. out sprint in ("Real & distant scott: In Root!: "+11+" In Root 2: +111);
ulse if (d = = 0)
 o11 = - b/ (double) (2+a);
 System. out. println ("Real and equal noots: In Roots:"+ 314+" (n Poots: + 30);
 3
  ulse
  3
  011 = -6/ (240);
   22 = 11ath. squt (-d)/(2+a);
   System. out. println ("Root are imaginary: In Root!: "+11+"+1"+12+
                          "In Roots"+11+"-1"+112);
     3
   3
class Quadrun S
 public static void main (string wigs ())
 System. out. printto ("Anu Sai Sweek In 18M23 CSO45");
  Quadratic q = new quadratic ();
  q. egitdataU;
   . q. umputi ();
 3
Output:
Enter a, b, c values:
```

1 2 1

Root 1: -1.0

Root 2: - 1.0

Real and equal scots:

Enter a,b,c values:

Roots are imaginary:

Reet1: -1 +0 + 1 1.414

Root 2: -1.0 - 2 1.414.

Enter a, b, c values:

1 -5 6

Real and distant viools:

Root1: 3.0

Root 2: 2.0.

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