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Las you gram -1.
 Divelop a java program that prints all
 real jolutions to the quadratic equation
  ax2+bx+c=0, fead in a b, c and use the
  quadentic formula, if the discommate
 Aac is nightiese, desplay a message stating
   there are no real solution
 import java util . Scanner,
 public quadraticequation
publicstatic void main (String xx[])
Scanner mout znow Sanner (system in);
Systemout. printin(" Enter the value of a:");
double a = input next pouble ();
if (az=0.0)
systemat printly " The value of a cannot be 0");
system out println ("Enter the value of b: ");
double bz mput next Double ();
system out print in (" Enter the value of (:");
double ( zinput next Double ();
doubled 2 b*b-4.0 * a*C;
if (dx 0.0)
double 11 = (b+ Moth. sqr + (d, 0.5)) (2.0 xa);
double 12 z (-b-Math.sqr+ (d)) / (2.0 xa);
System out println ("The roots are real and
distinct and "+ 11" and "+ 12);
else if (d = =0 0)
```

	double 11 = -b (2.0* a);
	systemeout printle (" The roots as equal and "tri);
	old.
	ig (d<00)
	5
	11= (-b+ Math abs (moth sqrt (d)) (6+a));
	system out printer ("The rook are "this "+ xI + and"
	ti'l trol;
	rz = (-b-Meth.abs (Mathsqr+(d)) / (2*a));
	System out printin (" The roots are maying and
	" + " i "+ r 3 + " and " fi" + r y);
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C:\Users\BMSCECSEIL74\Desktop\1BM21CS005\java QuadraticEquation
Enter the value of the coefficients
Enter the value of a:

1
Enter the value of b:
1
Enter the value of c:
1
The roots are imaginary and are -0.5 +i 0.8660254037844386 and -0.5 +i -0.8660254037844386

C:\Users\BMSCECSEIL74\Desktop\1BM21CS005\java QuadraticEquation
Enter the value of the coefficients
Enter the value of a:
4
Enter the value of b:
-4
Enter the value of c:
1
The roots are real and equal and are0.5 and 0.5

C:\Users\BMSCECSEIL74\Desktop\1BM21CS005\java QuadraticEquation
Enter the value of a:
1
Enter the value of the coefficients
Enter the value of a:
1
Enter the value of c:
3
The roots are real and distinct and are -1.0 and -3.0
```