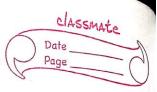


|              | Psicgocum1 Date 18711122                                    |
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| T            | Develop a Java psiasserions that psilmis all soal solutions |
|              | 1-0 the quadratic equation and that c zo. Read              |
|              | In a proc and not the anadorate forming the                 |
|              | The discontinuate b2-400 is mogether display a              |
|              | message standing that there are seal solutions.             |
|              | ,   |
| $-\parallel$ | mpoett java util. Sammer 3                                  |
|              |   |
|              | class Ovads   |
|              | public static void moun (Stelling XXII)                     |
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|              | System out parintly (" Enter the coefficients arbic")       |
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|              | double dos = (b*b) - (4*a)                                  |
|              | chouble 20001, 20001, 2                                     |
|              | \$ ca==0) €   |
|              | System - Out pormiting (" The equation is not quadrating    |
|              | 3°  |
|              | else if colos=0) &  |
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|              | 2001) = -b- Math. sq. 271 (dos);                            |
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|              | 2: 149100239  |
|              | 3   |
|              | else if (des==0){   |
|              | 21001 1 = 21001 2 = -b/(2×a);                               |
|              | System out permil on the goods care                         |
|              | 2001 and ednal/w 60017; 1, +20011+4                         |
|              | \m x001 2: 11 + x001 2);                                    |
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| else s                                       |       |
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| 91001 1 = -b/(2*a);                          |       |
| 910 of 2 = Math sgout (Math-obs (des)):      |       |
| System will parintly ("The arouts are imagin | 100A) |
| ROOH 1: " + 9100+1 + " + 9100+2+ 66-1 m Room | 2: 1  |
| + 20011+ 9-11+ 20012);                       |       |
| S.close();                                   |       |
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OUTPUT:

```
C:\Users\amshu\OneDrive\Desktop\Downloads\OOJ-1BM21cs019--main\OOJ-1BM21cs019--main>javac lab1_java.java
C:\Users\amshu\OneDrive\Desktop\Downloads\OOJ-1BM21cs019--main\OOJ-1BM21cs019--main>java Quad
Enter the coefficients a,b,c
0 0 0
The equation is not quadratic
C:\Users\amshu\OneDrive\Desktop\Downloads\OOJ-1BM21cs019--main\OOJ-1BM21cs019--main>java Quad
Enter the coefficients a,b,c
1 2 1
The roots are real and equal
Root 1: -1.0
root 2: -1.0
C:\Users\amshu\OneDrive\Desktop\Downloads\OOJ-1BM21cs019--main\OOJ-1BM21cs019--main>java Quad
Enter the coefficients a,b,c
1 4 1
The roots are real and distinct root 1: -0.5358983848622456 root 2: -7.464101615137754
C:\Users\amshu\OneDrive\Desktop\Downloads\OOJ-1BM21cs019--main\OOJ-1BM21cs019--main>java Quad
Enter the coefficients a,b,c
1 1 1
The roots are imaginary
Root1: 0.0+i1.7320508075688772
Root 2: 0.0-i1.7320508075688772
C:\Users\amshu\OneDrive\Desktop\Downloads\OOJ-1BM21cs019--main\OOJ-1BM21cs019--main>
```