

```
Scanner S: new Scanner (System. Pn)
 a - next Intly;
 d = b+b-4 a a c;
 4 (d==0) g
    71 = (-b)/(2ta);
    System out paintle ("Roots are real and equal");
    System out paintin ("Roots = Roota = "+rs);
 else if (d>0) &
     911 = ((-b) + (Math. squit (d))) (double) (2 ta);
     r2 = ((-b) - (Math. squt(d))) / (dauble) (2 a);
    System.out. println ("Root1 = "+rit "Root2 = "+72);
  else if (d<0) &
     System. out. printen (" Roots are imaginary");
     91 = (-b)/(2ªa);
     ra = Math. squt (-d) / (2ta);
   System. out. println ("Roots = "+1 + "+1"+12);
   8ystem. out. println (" Root 1 = "+71 + "-1"+72);-
class Quadratic Houn &
      public state void main (sling args []) &
     Quadratic q = new quadratic ();
      9. getd ();
      q. compute();
```

Enter the coefficients of a, b, c 0 6 3 (A) Roots are imaginary Root 1 = -1.0 + 11.4142135623730951 500 Root 2 = -1.0 - 12.4142135623730951 Enter the coefficients of a, b, C Roots are seal and equal. Loot 1 = Root 2 = 2.0 Entel the coefficients of a, b, c 5 6 Roots are real and distinct Root 1 = - 0.2 Root 2 = -1.0

class fectoring
public status
int length
length = Ind
breadth = I
int area =
system. out
system. out
system. out