of (a = = 0)

```
System.out.println ("Invalid");
    rchm ;
 float d= 6 + 6 - 4 + a + C;
float sqirt-val = (float) math sqirt (abs(d));
 float nott = (-b+sqrt_val) ((2 ma);
 float noot2 = (-b+ sqrt-val) / (2 *a);
 if (d==0)
System.out.pmtln ("Roots are real and equal:: "+ root 1):
 else of (d>0)
  System-out-printly ("Roots are real and different In");
  System act printly (most 1 + "(n" + noot 2);
 else
   System-out . println ("Roots are complex ");
  System-out. print (-b/ (2*a)+"+" + syrt-val / (2*a)+
                     " | n" + - b | (2*a) + "-i" + sqrt_val/(2*a));
```

```
* ALGORITHM:

Step1: START

Step 2: Input the value of a, b, c.

Step 3: Calculate d = b * b ~ 4 * a * c

Step 4: If (d < 0) Display " Roots are imaginary", calculate = (-b+sqrt-val)/2a

and r2 = (-b - sqrt-val)/2a . else if (d > 0) Display " Roots

are Equal " then calculate 21 = 2 = (-b/2a).

Step 5: pint r1 and 82.

Step 6: END.
```

→ Expected Output &

Enter the value of a :: 3

Enter the value of b :: 2

Enter the value of c :: 2

Posts one complex

-0.33333334 + 10.745356

-0.33333334 - 10.745356