import java.util.\*;

class QuaRoot

{

public static void main(String args[])

{

int a,b,c,res;

float root1,root2,disc;

System.out.println("enter the values of a ,b,c:\n");

Scanner sc=new Scanner(System.in);

a=sc.nextInt();

b=sc.nextInt();

c=sc.nextInt();

disc=(b\*b)-(4\*a\*c);

if(disc>0)

res=1;

else if(disc<0)

res=-1;

else

res=0;

switch(res)

{

case 1:

System.out.println("Root are real");

root1=((-1\*b)+(float)(Math.sqrt(disc)))/(2\*a);

root2=((-1\*b)-(float)(Math.sqrt(disc)))/(2\*a);

System.out.println("roots1:"+root1+"\nroot2:"+root2);

break;

case -1:

System.out.println("roots are imaginary");

disc=(-1)\*disc;

float r1=(-b)/(2\*a);

root1=((float)Math.sqrt(disc))/(2\*a);

System.out.println("roots are:"+r1+"+i"+root1);

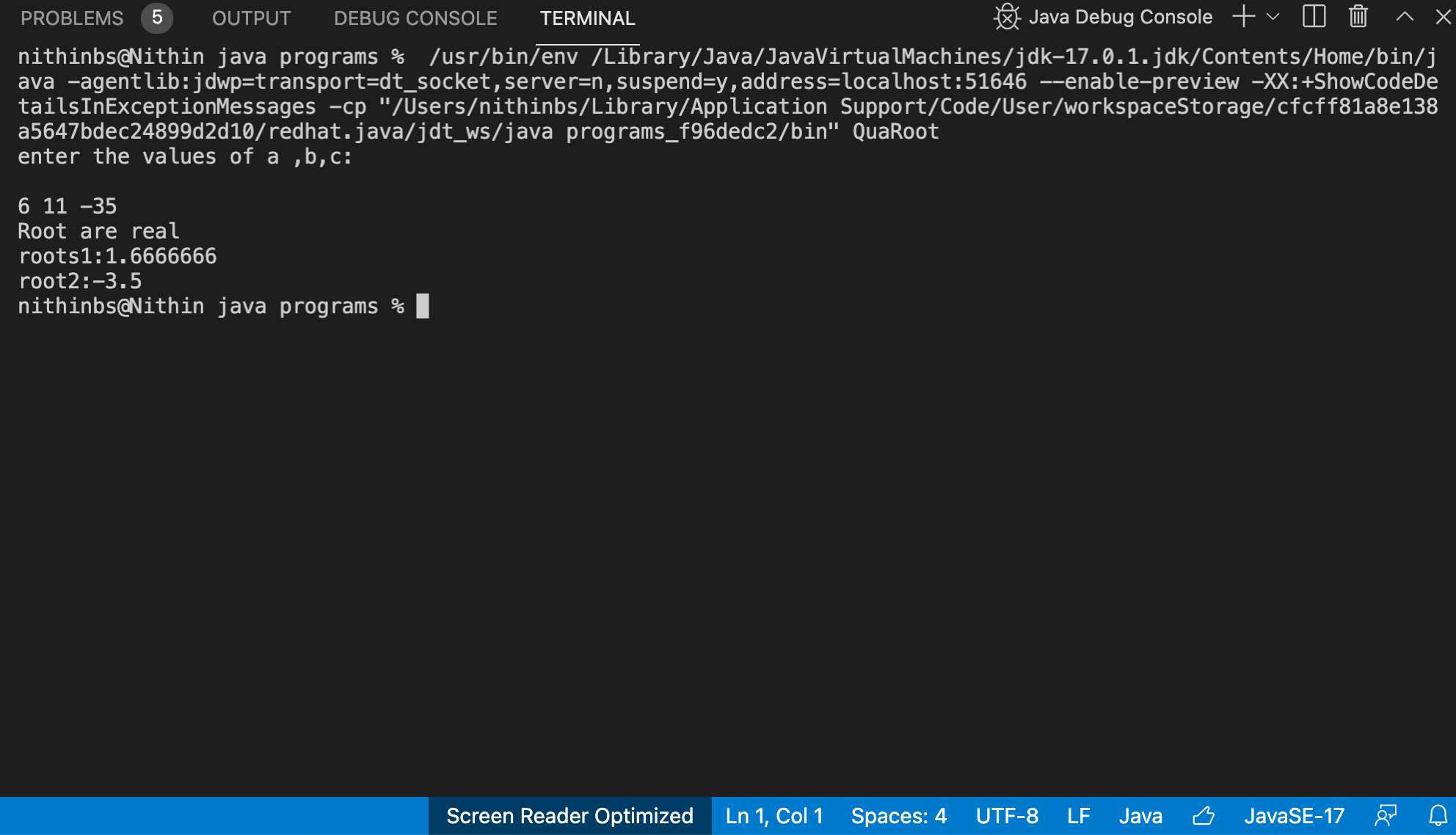
System.out.println(r1+"-i"+root1);

break;case 0:System.out.println("roots are equal");

root1=root2=(-b)/(2\*a);

System.out.println("roots are:"+root1+" "+root2);

break;

}

}

}