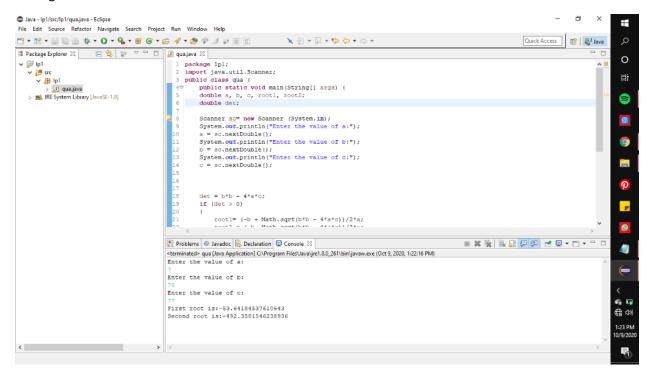
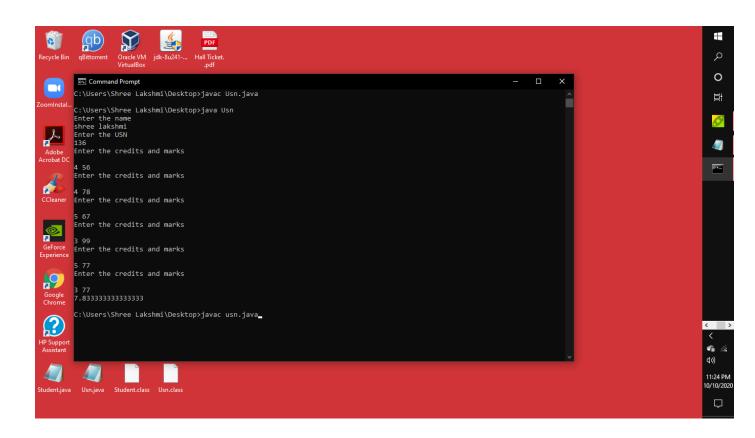
Develop a Java program that prints all real solutions to the quadratic equation ax2 + bx + c = 0.

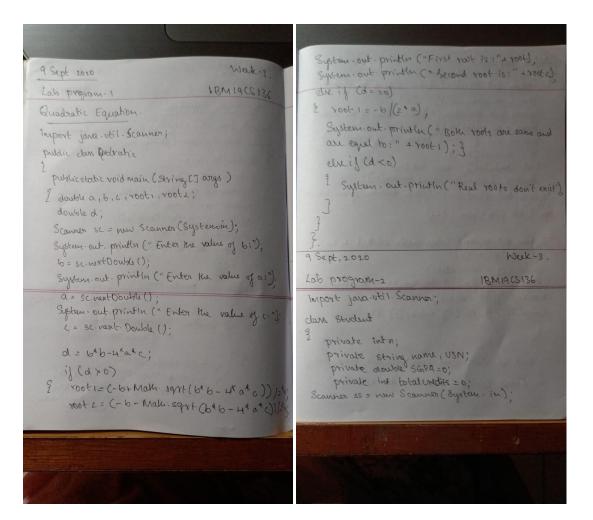
Read in a, b, c and use the quadratic formula. If the discriminate b2-4ac is negative, display a message stating that there are no real solutions.



Program 2

Develop a Java program to create a class Student with members usn, name, an array credits and an array marks. Include methods to accept and display details and a method to calculate SGPA of a student.





```
if ( mask >= 90 & & mark <= 100)
                                                           if ( mask >= 90 & & mark <= 100)
                                                           SGIPA = SGPA + (10 " condit);

SGIPA = SGPA + (9 " condit);

SGIPA = SGPA + (9 " condit);
SGIPA = SGIPA + (10 * cmdit);
elx if (monk) = 80)
   SERPA = SGPA + (9 * credit);
 else if Crearle > = 70)
                                                            else if Croark >= 70)
  SGPA = SGPA + (8 * credit);
                                                             SGPA = SGPA + (8 * credit);
 dx if (mark >=60)
                                                            dx if (mark >=60)
   SGPA = SGPA + (7* credit);
                                                              SGPA = SGPA + (7* Unedit);
 dre if ( mark >= 50)
                                                             clk if ( mark >= 50)
                                                              3GRA = SGRA + (6 * credit);
   SCRPA = SCRPA + (6 * credit);
 elx il (mark >= 40)
                                                             elx il ( mark >= 40)
   SGRA = SGRA + (5 * credit);
                                                              SGRA = SGRA + (5 * medit);
   System - out . println ("Failed in subject" + (j+1))
                                                             System - out . println ("Failed in subject + (j+1))
 void Display().
                                                            void Display().
 Egysten. out-println ("Details of the student");
Saysten. out. println ("Name: "+name);
                                                            Egysten. out-println ("Details of the Student");
System. out. println ("Name"+name);
   System. out printle ("USN:"+USN).
                                                              System. out printle ("USN:"+USN).
                                                             System, Out . println ("SGIPA of studied"
  System, Out. println ("SGRA of student"
                              + (StrPA / total (molifs))
                                                                                         + (StrPA / total (molits))
  public dans Lob2
                                                             public dans Lob2
E public static void main (String argues)
                                                              public static void main (String angul)
```

Stodent SI = new Student();

St. Details();

SI. Delails();

SI. Display();

3