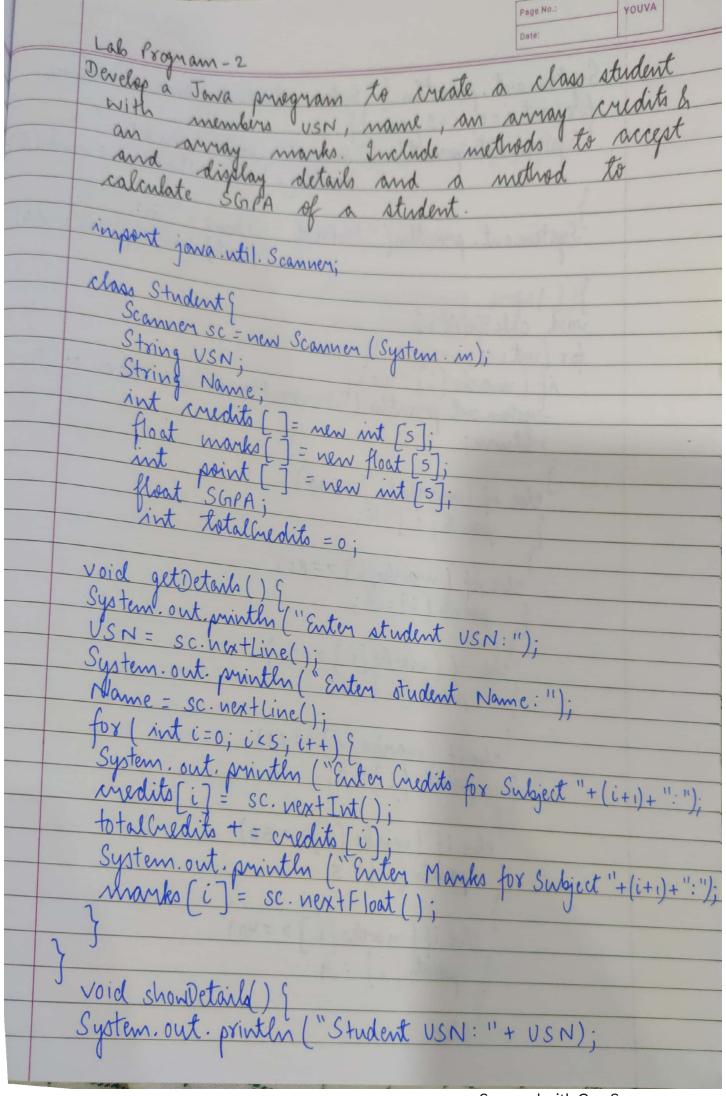
Develop a JAVA program that prints all real sol- to the quadratic equation $ax^2 + bx + c = 0$. Read in a,b,cand use the graduatic formula. If the discriminate 62-4 ac is negative, display a message stating that there are no real solutions. class Roots 9 sublic static void main (String[] angs) int a, b, c, f = 0; double D; Scanner sc = new Scanner (System. in); System. out println (") n Enter the values of a, b, c: "); a = sc. nextint(); b = sc.nextInt(); c = sc. nextInt(); D=(b*b)-4*a*c); if (D = = 0) System.out.println ("Roots are real and equal"); else if (D >0) System. out. printly ("Roots are real and unequal"); else if (D<0) System.out. printly ("Roots are imaginary"); if (f==1) double $x_1 = ((-b + Math. sq xt(D))/2*a));$ double $x_2 = ((-b - Math. sq xt(D))/2*a));$ System. out. println ("Roots are: "+x1+", "+x2);



```
System. out. println ("Enter student name: "+ Name);
for [int i = 0; i < 5; i++) {

System.out. println ("Subject"+(i+1)+"- Credits: "+
                              credito [i] + " - Manko: " + marky[i]
  Systemout. println ("SGPA of" + Name + " is: " +
                                          (float) (SGPA total credits)
 void calcsGAPA() {
  for (int i=0; i<5; i++) {
     System. out. println ("Ermon: Marks are above 100");
      neturn;
       else if (marks [i] >= 90)
          else if (marks [i] 7=80)
           else if (marks[i]>=70)
points[i]=8;
             else if (marks [i]>=60)
              else if [marks [i] > = 50)
                cloe if [marks [i] > = 40)
                  points [i] =
                  else
```

```
SGPA + = ( points [i] * credits[i]);
sublic class Lab2

public static void main (String angs[])

{ Student stu1 = new Student();

stu1.getDetails();

stu1.calcSGPA();

Stu1.ShowDetails();
```