det = b*b-4*a*c; id (det >0) } b{ root 1 = (-b+ Math. sqst (b*b-4*a*c))/2*a; sqsten. out. printh ("First root is:"+ root 1); Systen. out. printh ("Second soot is:"+ root 2); else if (det == 0); scoot b1 = -b/2*a);	Seamer SC = new Scaner (System.in); System. out. printh ("Enter the value of 6:"); System. out. printh ("Enter the value of a:"); al = Sc. next Double (); System. out. printh ("Inter the value of a:"); System. out. printh ("Inter the value of a:"); System. out. printh ("Inter the value of a:");	Impost java. util . Scarner; public class Main { public class Main { public static voich main (String [] asys) { double a, b, c, scot 1, scot 2; double dett;	Develop a Java program that points all seal selection to the guladiatic exhalic exhalic fundaments all seal feed in a, b, c and use the quadratic fundaments of the disciminate before as regative fundaments of the station there are the guadratic fundaments.
b-4*a*c))/2*a; is:"+ swet 1); is:"+ swet 2); }	value of 6:"); e of c:");	hays) Edeable a, b, c,	brists all seal lation dealer fumbar a geting a

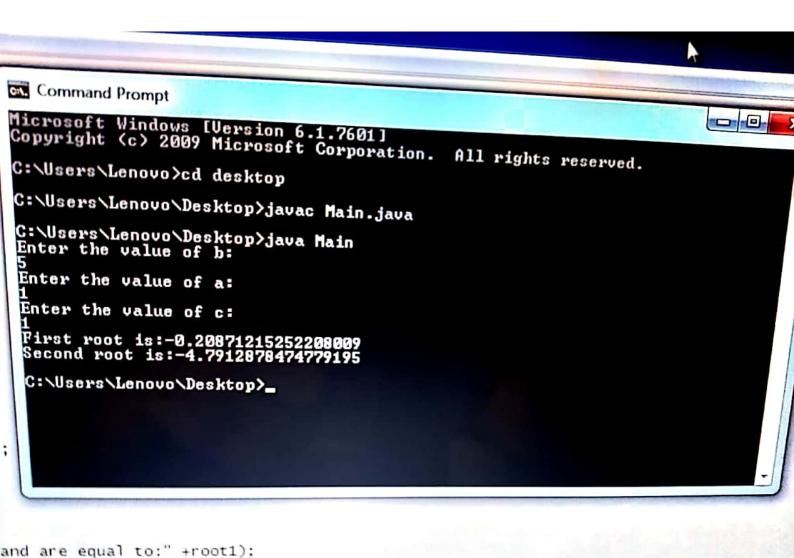
System. out. printle ("Both roots are some and are equal to: " + root 1); } else if (det 20) } System. out. printle (" Real roots don't exist"); Algorithm: double a, b, c, root 1, root 2, det imput a, b, c det = b * b - 4xaxb 94 (det)0) rect 1 = (-b+√bxb-4ac)) 2xa rect 2 = (-b - J-b x 6 - 4ac) 2xa print root 1, scoot 2 else if (det = 0) root (= -b/(2xa) print root / paint "Imaginary most" Fred

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LAB-2. Develop a Tava program to creete a dear student with members used, name, an array credit, and a relate accept and I display details and a relate calculate SGPA of a student. Imposet Java . util . Scaner, Clary student & private String USN; buirte string name; private it no; perirate double SGPA = 0; private int total acount = 0; Scarrer sr = new Scarrer (system · in); void Details () { System. out. println ("Enter USN of the student USN = SS. next Line (); System. out. pent.ln (" Enter Name of the student name = ss. next line (; Enlée no of disjects!); nl = ss. neeltht (); Int crediti [= new int [n]; double marks [] = new double [n]: Sylen out proth ("Ele delait of the my and) Syller out puittre (" Enter redulted hangerte + marks [i] = ss. next Int (); [i], i); } }
Calculate (credit; [i], marks [i], i); }
Calculate (credit; densle mark, int j) { Scanned with CamScanne

```
total Credits = total Credits + credit;
   ( mark > = 90 & k mark < = 100)
SEPA = SGPA + (10* Credit);
          mark > = 80 28 mark <= 89)
else if ( meck > = 70 & mack L = 79)
                    8* credit)
else if ( made 7 = 60 & & mark < = 69)
SGPA = DSGPA + (7* ciedit),
else if ( mark > = 50 & & mark & = 59)
                + (6* credit);
   e if ( mark > = 40 & & mark < = 49)
                  (5x creditis); else
                                      subject "+(j+1));}
             K. peuth ("Name:"+ rame);
K. pouth ("USN:"+USN);
             t. pointle ("SGPA of student" + (SGPA/total
    dic cler Leb 2 }
 public static void main ( Storing args
student s, 1 = hero strudent ();
 81. Detaily ();
```

tha
Colculated SCIA of the sticker.
Print " Delaits of the Hibert", name, USN and the
Die heil Failed in Subjects.
Sel SGPA = SGPA + (Credit + number) where number=
Set Polichcuediti = Polichcuediti + Credit
audich is begus was marke its voit, mune, is,
Jupal USN, Name, no. of subjects and the creating
Start the date of the
Algorithm:
- Something



exist");

```
C:\Users\Lenovo\Desktop>javac Lab2.java
C:\Users\Lenovo\Desktop>java Lab2
Enter USN of the student
131
Enter Name of the student
rituika
Enter no of subjects
Enter details of the subjects:
Enter credits allotted to the subject 1
Enter marks in the subject 1
Enter credits allotted to the subject 2
Enter marks in the subject 2
78
Details of the Student
Name :ritvika
USN: 131
SGPA of student 8.571428571428571
```

C:\Users\Lenovo>cd desktop