```
$java - Xmx128M - Xms15M Quadratic
root1 = -0.87+1.30i and root2 = -0.87-1.30i
```

el program to jend touts of graduatic
eactain.
=> public class Quadratic
public static void moin (String augs [])
1 Paper Stand
dauble a=2.3
double b=4;
double c = 5.6 ;
124ble 200 t 2 i
dauble determinant = bxb -4xaxc;
if (determinant >0)
if (after minum 20)
1 /11 5 7 1 1 1 1 0
System out priptin(" (0+a);
system, out-pripting root 1 = (-b+ Math, sqrt (defermenant)) (0+a);
root 2 = (-b - math.sqrt(diterminant))/6+a);
System out println ("root1 = 1/21 and root 2=1,21,
200t1, 200t2);
else if (determinant = = 0)
1
root 1= root2 = -b/(2 *a);
System out. printin (" root 1= root2 = x2) (2000, rooti).
Sylar Cars Francis Fra
else
1 double real part = - b [(2 + a);
double emaginary part = math.sqrt(-determinat)/2+d;
Syst V

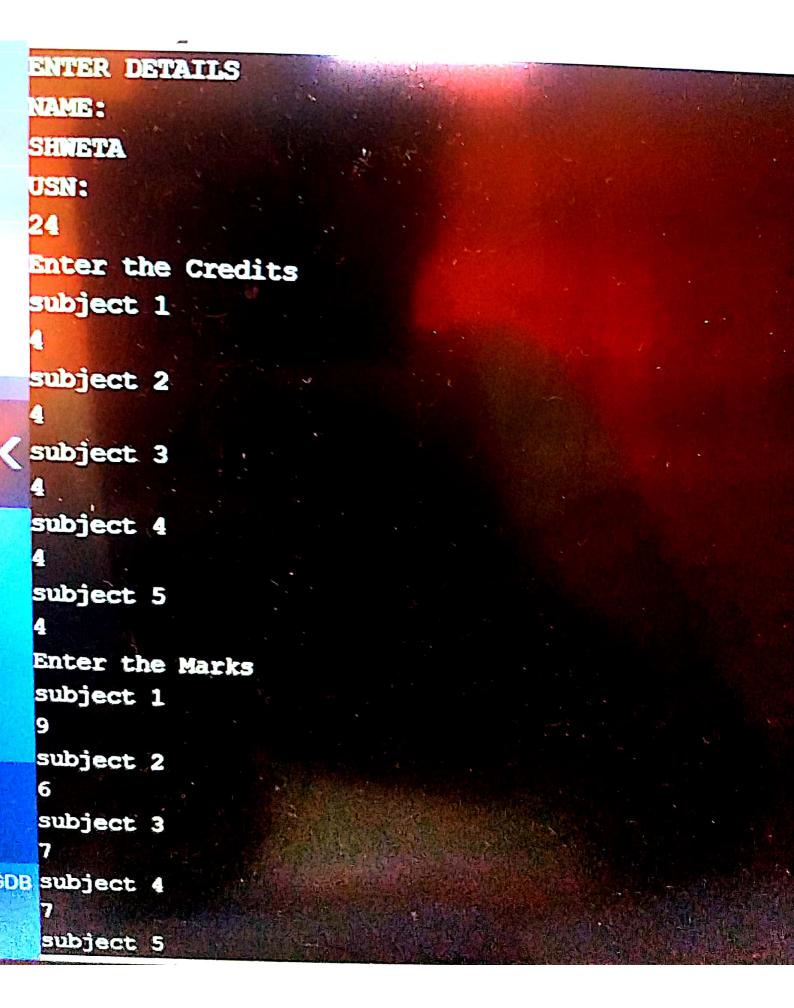
System.out-println ("roots = x. 21 + x. 2fi) and root 2 = 1/2/-1/2021, realpart, imaginary part, real part, imaginary part, real part, imaginary part); Algorithm 1quadratic diterminant: b2-4ac where a,b,c are ragiable 162-40C=D , o<a * 020 DLO -6+ VD -b + 1-D 20 output? root 1 = -0.87 + 1,301 and -0.87-1.301. root 0 =

Lab program 2
Develop a java program to create a clay
Student with mumbers, USN, Name, and orrag
credits 4 an arrayments. Include methods
to accept of display details of a metheod to
colculate sapp of a student
import java util scanner.
Mimport favo. lang. Math;
class student
1
ent usn;
String name - new String ();
int redits [] = new int [5];
int marks [] = new int [5];
float SGPA () 108-1-12.0 - G took
Plant a
float eum =0
for (int i=0;ic5;itt)
Sum = sum + (credits [i) * marks [i]);

return sum/5;
<u> </u>
public class main
public static void main (string aggs [])
R
scanner in = new scanner (system.in);
Scanned with CamScanne

```
Student Stud 1 = new Student ();
System. out. prentln ("ENITER DETAILS");
System out print (" Name:");
 System out pointly ("Free the credits);
 for (ent 1=0; i <5; [++)
 system. out.print In ("subject " + (j+1));
 int (red= in next int();
 Stud 1, credits [3] - (red
  System. Out. println ("Enter the marks");
  for (int 1=0 ; j <5; j+t)
  System.out.println (" subject" + (jt));
    int mark - in, nextInt();
   Stud1, marks[i] - mark;
  Systemout, printin ("student Details:")
   System.out.println ("Name: "+ stud1. name);
   Systemout. println ("Usn; "+ stud 1:050)i
   System.out.println ("SGPA: "+ stud 1. SGPA());
```

	graduler of
Output "	
FMITT DETAILS	
NAME:	student Details;
SHWETA	student better,
USN:	Name: SHWETA
24	USM : 24
Enter the credits	SGPA: 7.4.
subject 1	
4	
subject 2	
4	
subject 3	
4-	
subject 4	Market Cale all the
4-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	VION - 1120 111
subject 5	THE STORY OF THE STORY
4	
Forter the marks Subject 1	alianen Juonitario
Subject	attorna ton or kilk
09	allowed hourses
Subject 2	allow in his cast to
06 6	All the special sections of
Subject 3	
76	
Subject 7 Subject 5	
76	
Subject 5	
80.	



```
the Marks
   ibject 2
  subject 3
  subject 4
  subject 5
   Student Details :
  Name : SHWETA
   Usn
        :24
   SGPA :7.4
GDB
    ... Program finished with exit code 0
    Press ENTER to exit console.
```