9/10/20	00 J Lab - 2 18M9cm
Q1	anadoratic equation, find real solutions
	Algoriphia
	Point "Value of a"
3.	Read a Paint "value of b" Read to
	Point value of (" Find value of discoursement determinant
8.	with (bxb)r-(4xaxc) (back il determinant >0
10.	Else check if determinant = 0
12.	Else check if dise determinant <0 Ty so, point There are no real solutions
	Code:
	public static void main (String args []) &
	Scanner x=0, y=0; Scanner sc=new Scanner (systemin)
	System out pointly ("Enter value of a") double a = sc. rest Double ();

System. out. println ("enter value of 6" Louble b = sc. next Double (), System. out. pointln! "Enter value of c") double C - sc. next laulele (); doubled = (b+b)-(4xaxc); double sgret = Math. sgret (d 1>0) {

>C = (-b + (sqrt)) / (2+a);

y = (-b - (sqrt)) / (2+a);

System. out. pountles ("Roots core"+x

"and" + y); system out pointer ("There are no real solutions"); Output: Eter value of a Enter value of le Enter value of C Roots are - 0.5278 and -9.4712

Enter value of a Enter value of 6 Enter value of a The post is 0.0 Enter value of a Enter value of b Enter value of a The solution is not real 2) Lat Perogenam 2: import java utill. Scanner; Class Stadent storing USN; storing me name; double SGPA =0; int total credits = 0; Scanners = new Scanner (System . In); good delasts ()

System out pointly ("Enter USN") USN = S. next (inel); system. out. pountly ""Exter runder of subjects"; n = S. next Int (). System. out pountly ("Enter the rame") name = & s. nortline int ocedits [] = new int [n]; double marks [] - new double [n]; System out printle l'Enter details" for (int i=0; i < n; 1++ System outprintly ("Coter the ocedits of Subject" credits [] - s. next In System. Out printle ("Erter nortes" + (i+)), marks [i] = s. next Int() Calculate (credits [i], morty [i], void Calculate (int credit, clouble mark, int total credits = total credits + credit; if (mark) = 9022 mark (= 100) SGIPA = SGIPA + (10+ credit); else if (morks =>= 80 & & mark <= 89) SGIPA = SGIPA + (9x credit); Cle if 1 mark 7=870 && mark (=79) SGPA = SGPA+ (8+ credit); clse if (mark 7=60 88 mark (=69) SGPA - SGPA+(7x oredit); else if (marles >= 50 88 mork <= 59)

SCIPA = SGIPA + (6* credit);

Clacif (marks 7 = 40 82 mark 5 = 49) SGPA = 69 SCr PA + (5 * Credit). System out pointh ("Failed in the subject void Display () System. Out. paintles ("Petails of the Study System. Out. paintles ("Name-"+ none); System. Out. paintles ("USN-"+ USN); System out pountly 1"SGPA of student ig-" + (son PA / Total oredita) Pulli Closs Gud public States void mais (String ergs []) Student SI= new Student (); SI. Details(); SI. Risplay(); Exten US Nof Student Enter name of student Enter number of Eilest

	store
	Enter details of Subject: Enter cradets of supports:
	3
	Enter marks of subject 1
	Enter credity of subject 2
	Cotor marches of Subject 2
	Enter credits of subject 3
	Enter marks of subject 3
	Petails of student
	vone-Perarau R
	US N - 1BM19CS115 SGPAQF Student -8.6
	Alogbrithm:
1.	Input name Input USU
3.	Injert the render of Subjects
4.	Point details of subject (n) Thent credit, and mark of subject !
6	Input credit, and mark of son (n) culyers
7.	Calculate the grade for Cach shulyied (907-A, 80>-B, 707-C, 607-0, 507-E, <504-F
8.	Displays Calculate the SGPA of Shocket
a.	(auverage of gened marks) Display the manne, usn, SCrPA of Student