Mauika	PHANAN	SOL-B	IBM19CSO81
riwuku	muuu	OEC D	וסטבורוויומו

	Manika Prosad Sec-B BM1905081				
	Develop a Tours married House structs and went collections to the and	a dea La			
	Develop a Java program that prints all rul solutions to the quadratic				
	equations ax2+bx+c=0. Read in a,b,c and use the quadratic				
	formula. If the discriminate b2- 4ac is negative, display a mes	sage stating			
11315	that there are no neal solutions.				
	36				
	ALGORITHM: Start				
Step1 Step2	Input the value of a, b, c				
Step 2	Calulate D=(b+b-(4+a+c))				
Step @4	If (d>0) (the comment of the manual of the m				
org -1		[5] 6. a			
	Display nots are real, calculate the mots => 81 = (-b+	JD ) /(2# W)			
	and $n = (-b-JD)/(2+a)$				
	else if (d=0)				
	Display nots are equal, calculate the nots => 1=82 =	-b/(2+a)			
	else Display 'there are no real roots'-				
Step 45	Print r1 and r2				
Step 5	Stop (Ca+CACCACACACACACACACACACACACACACACACACA				
	(Cared (Instead of Mark and I) = 53				
	PROGRAM:				
	import jowa util · Scanner;				
	import java. Jews. lang. Math,				
	public dapo Maina				
	1				
	public static void main (String [] angs) {  Scanner in = new Scanner (System in);				
4	Seanner in = new Seanner (System.in);				
		THE RESERVE OF THE PARTY OF THE			

```
int a, b, c;
 double ri, rz, d;
chan ch;
 System. out. println ("Solution of Quadratic equation - ax ~2 + bx + i").
 System. out. pnn+In ("(nentura: ");
 a=in.nex+In+();
System.out. println ("menturb: ");
b=in.nex+Int();
System out printin ("enter c: ");
c = in nextInt();
d = ((b*b)-(4*a*c));
 1) (d>0)
n = (1-b+ Math. sqn (d))/(2+a));
2= ((-b - Math-sq. M-(d))/(2+a)).
System. out. printin ("roots one - In"+ "n = "+n+" In"+ "2=
               +82):
else if (d == 0)
 n= (-b/(2 +a)) 2000 [] and I when him were
System. out. printin ("houts are equal-in"+ ">1=82= "+81);
```

6	Classmate  Date Page
	}
	else
	<b>\{\begin{align*} 2 \\ 2 \\ 2 \\ 3 \\ 4 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6</b>
	System-out-println ("there are no real roots"),
	3
	System. out-println ("In"+"do you want to find another set of roots?
	y(n?);
	ch=in·next(). charAt(0);
6-	3
	while (ch == 'y');
	}
	}
1	
6	