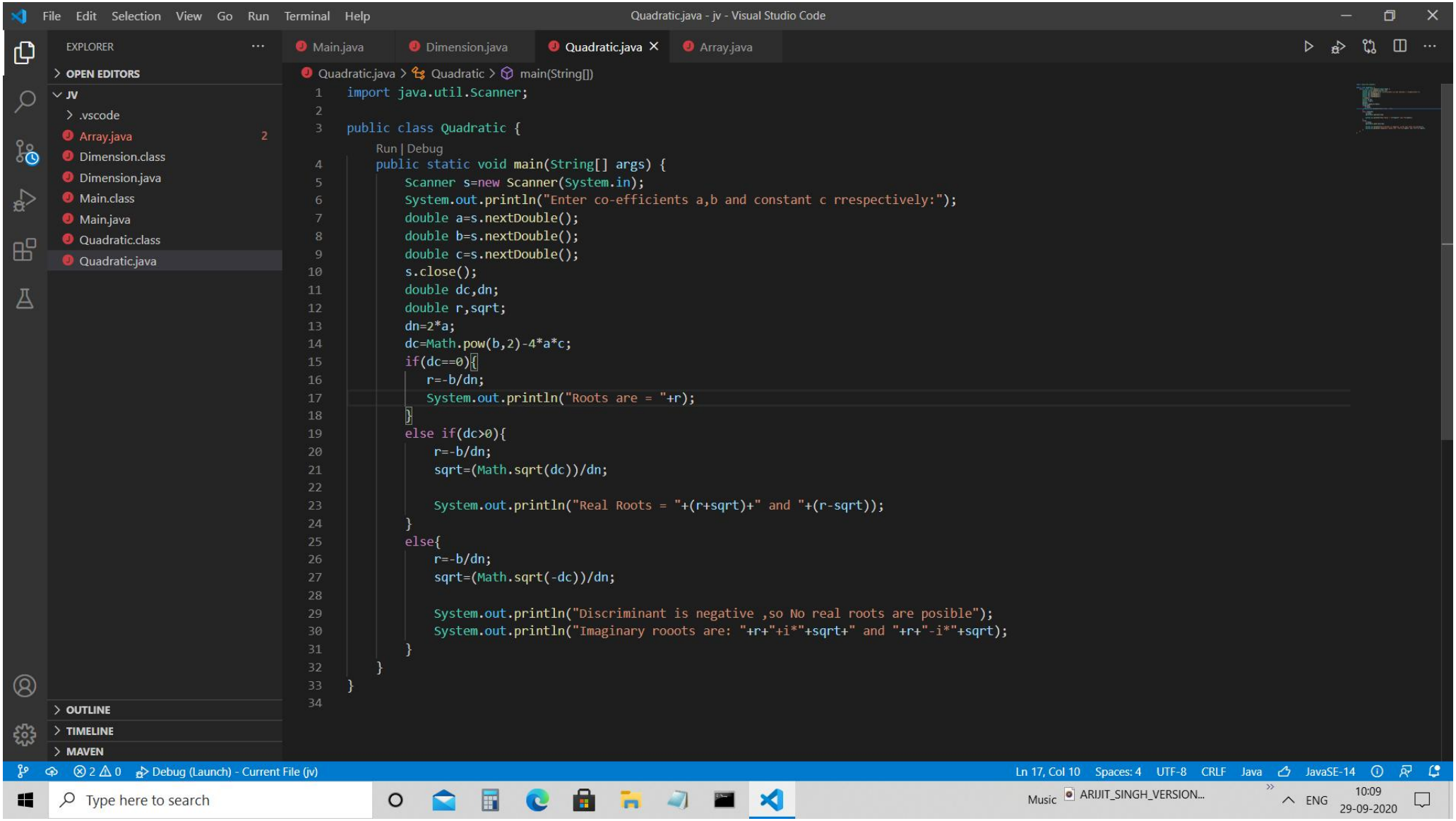
File Edit Selection View Go Run Terminal Help
Quadratic.java - jv - Visual Studio Code
EXPLORER
OPEN EDITORS
JV
.vscode
Array.java 2
Dimension.class
Dimension.java
Main.class
Main.java
Quadratic.class
Quadratic.java
OUTLINE
TIMELINE
MAVEN
Main.java
Dimension.java
Quadratic.java
Array.java
Quadratic.java > Quadratic > main(String[])
Run | Debug
import java.util.Scanner;
public class Quadratic {
public static void main(String[] args) {
Scanner s=new Scanner(System.in);
System.out.println("Enter co-efficients a,b and constant c rrespectively:");
double a=s.nextDouble();
double b=s.nextDouble();
double c=s.nextDouble();
s.close();
double dc,dn;
double r,sqrt;
dn=2*a;
dc=Math.pow(b,2)-4*a*c;
if(dc==0){
r=-b/dn;
System.out.println("Roots are = "+r);
}
else if(dc>0){
r=-b/dn;
sqrt=(Math.sqrt(dc))/dn;
System.out.println("Real Roots = "+(r+sqrt)+" and "+(r-sqrt));
}
else{
r=-b/dn;
sqrt=(Math.sqrt(-dc))/dn;
System.out.println("Discriminant is negative ,so No real roots are posible");
System.out.println("Imaginary rooots are: "+r+"+i*"+sqrt+" and "+r+"-i*"+sqrt);
}
}
}
Debug (Launch) - Current File (jv)
Ln 17, Col 10 Spaces: 4 UTF-8 CRLF Java JavaSE-14
Type here to search
Music ARIJIT_SINGH_VERSION...
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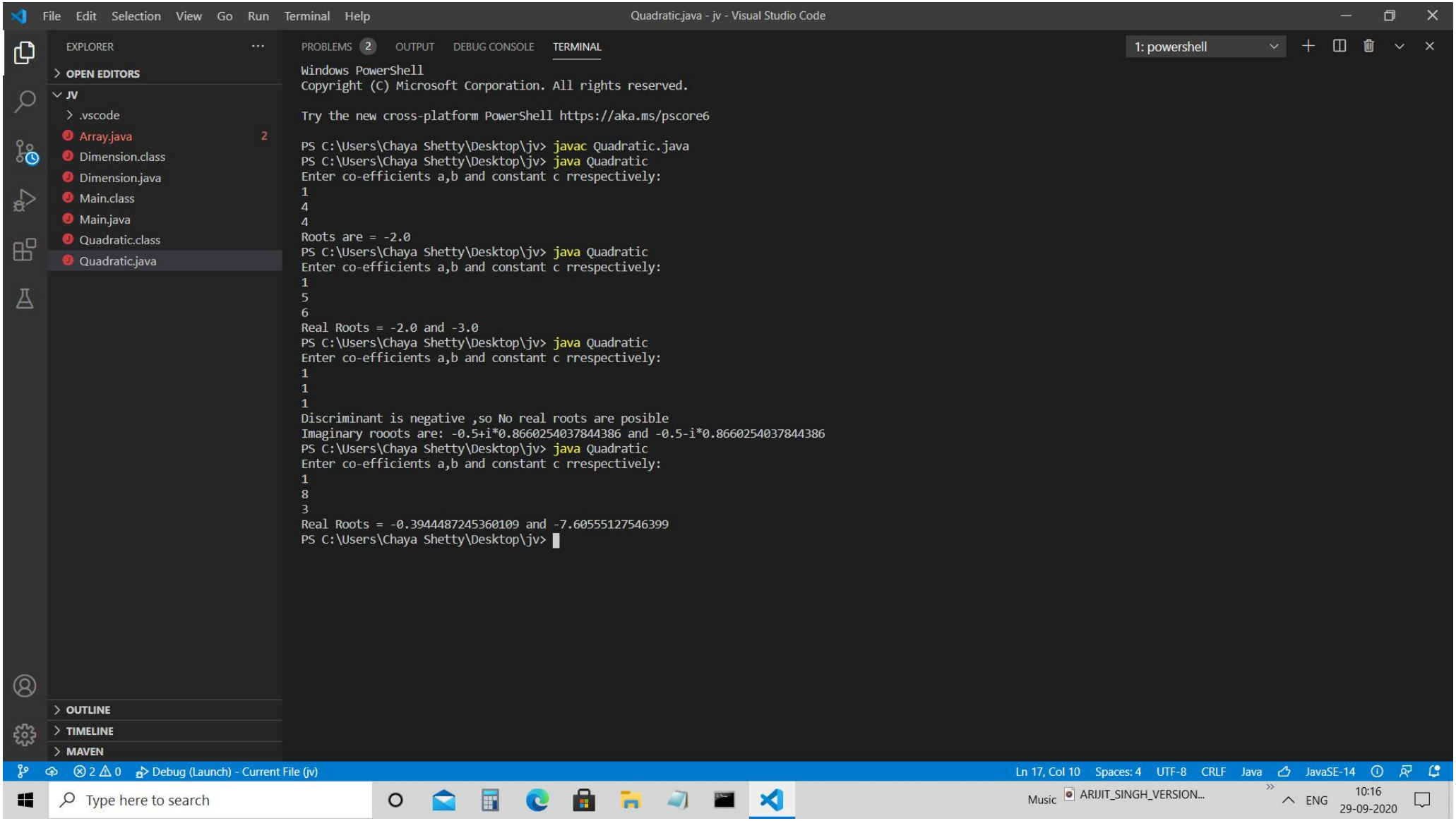
29-09-2020


File Edit Selection View Go Run Terminal Help
Quadratic.java - jv - Visual Studio Code
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PROBLEMS 2
OUTPUT
DEBUG CONSOLE
TERMINAL
1: powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Chaya Shetty\Desktop\jv> javac Quadratic.java
PS C:\Users\Chaya Shetty\Desktop\jv> java Quadratic
Enter co-efficients a,b and constant c rrespectively:
1
4
4
Roots are = -2.0
PS C:\Users\Chaya Shetty\Desktop\jv> java Quadratic
Enter co-efficients a,b and constant c rrespectively:
1
5
6
Real Roots = -2.0 and -3.0
PS C:\Users\Chaya Shetty\Desktop\jv> java Quadratic
Enter co-efficients a,b and constant c rrespectively:
1
1
1
Discriminant is negative ,so No real roots are posible
Imaginary rooots are: -0.5+i*0.8660254037844386 and -0.5-i*0.8660254037844386
PS C:\Users\Chaya Shetty\Desktop\jv> java Quadratic
Enter co-efficients a,b and constant c rrespectively:
1
8
3
Real Roots = -0.3944487245360109 and -7.60555127546399
PS C:\Users\Chaya Shetty\Desktop\jv>
Debug (Launch) - Current File (jv)
Ln 17, Col 10 Spaces: 4 UTF-8 CRLF Java JavaSE-14
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29-09-2020