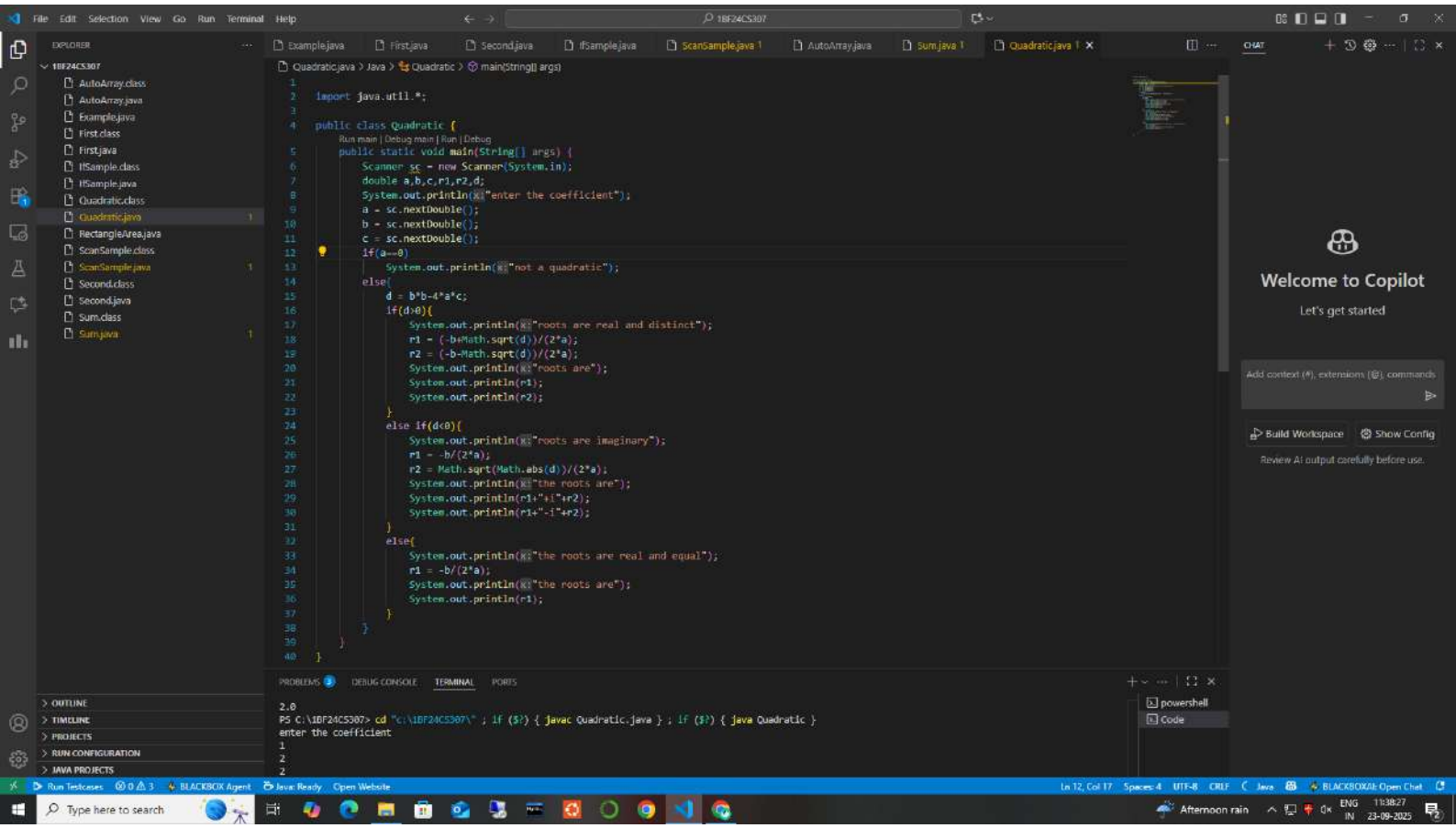
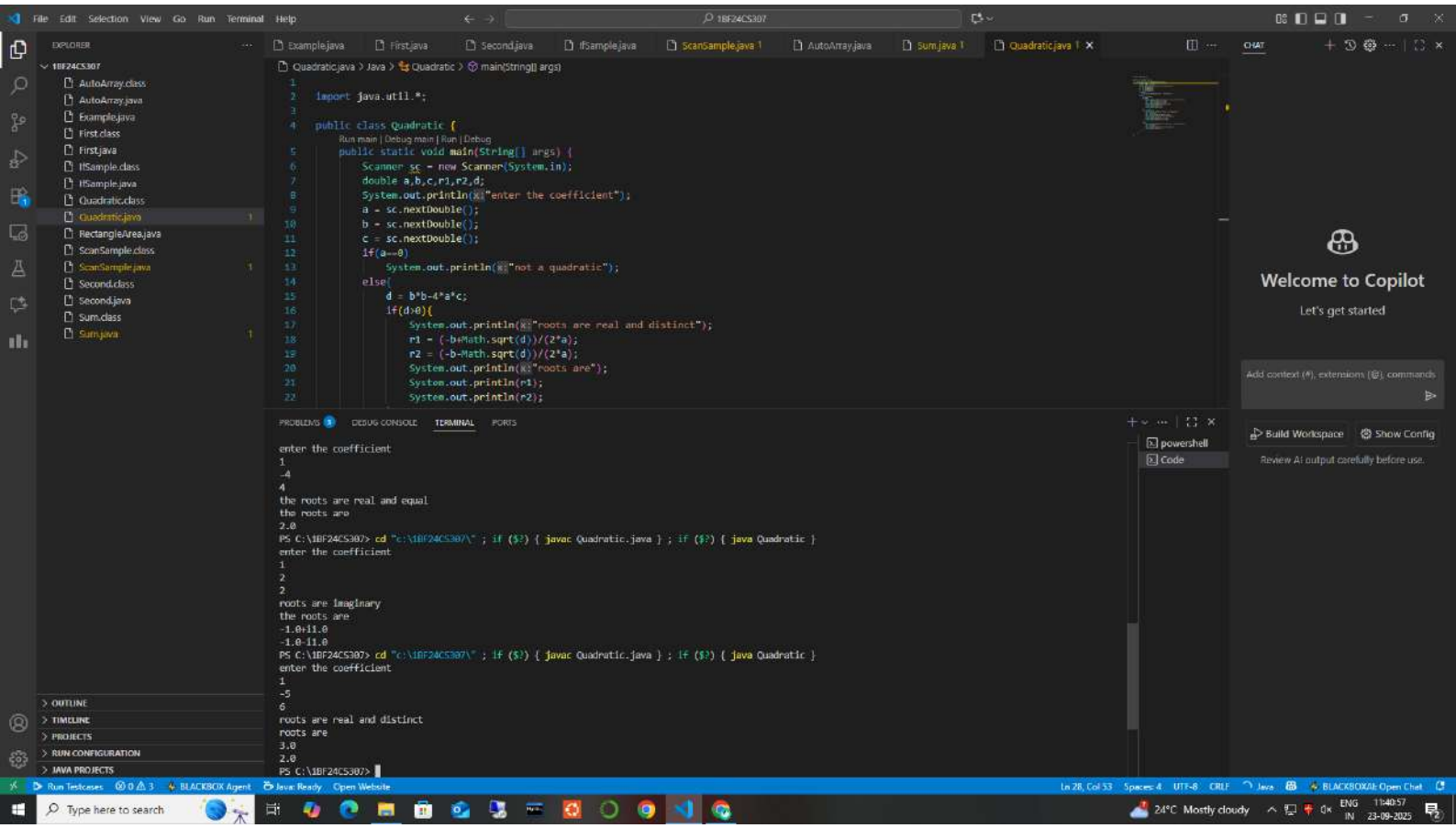

File Edit Selection View Go Run Terminal Help
1BF24CS307
EXPLORER
1BF24CS307
AutoArray.class
AutoArray.java
Example.java
First.class
First.java
IfSample.class
IfSample.java
Quadratic.class
Quadratic.java
RectangleArea.java
ScanSample.class
ScanSample.java
Second.class
Second.java
Sum.class
Sum.java
Example.java
First.java
Second.java
IfSample.java
ScanSample.java 1
AutoArray.java
Sum.java 1
Quadratic.java 1
Quadratic.java > Java > Quadratic > main(String[] args)
import java.util.*;
public class Quadratic {
Run main | Debug main | Run | Debug
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
double a,b,c,r1,r2,d;
System.out.println("enter the coefficient");
a = sc.nextDouble();
b = sc.nextDouble();
c = sc.nextDouble();
if(a==0)
System.out.println("not a quadratic");
else{
d = b*b-4*a*c;
if(d>0){
System.out.println("roots are real and distinct");
r1 = (-b+Math.sqrt(d))/(2*a);
r2 = (-b-Math.sqrt(d))/(2*a);
System.out.println("roots are");
System.out.println(r1);
System.out.println(r2);
}
else if(d<0){
System.out.println("roots are imaginary");
r1 = -b/(2*a);
r2 = Math.sqrt(Math.abs(d))/(2*a);
System.out.println("the roots are");
System.out.println(r1+"+i"+r2);
System.out.println(r1+"-i"+r2);
}
else{
System.out.println("the roots are real and equal");
r1 = -b/(2*a);
System.out.println("the roots are");
System.out.println(r1);
}
}
}
CHAT
Welcome to Copilot
Let's get started
Add context (#), extensions (@), commands
Build Workspace
Show Config
Review AI output carefully before use.
PROBLEMS 3
DEBUG CONSOLE
TERMINAL
PORTS
2.0
PS C:\1BF24CS307> cd "c:\1BF24CS307\" ; if ($?) { javac Quadratic.java } ; if ($?) { java Quadratic }
enter the coefficient
1
2
2
powershell
Code
OUTLINE
TIMELINE
PROJECTS
RUN CONFIGURATION
JAVA PROJECTS
Run Testcases
BLACKBOX Agent
Java: Ready
Open Website
Ln 12, Col 17
Spaces: 4
UTF-8
CRLF
Java
BLACKBOXAI: Open Chat
Type here to search
Afternoon rain
ENG
IN
11:38:27
23-09-2025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r2 = (-b-Math.sqrt(d))/(2*a);
System.out.println("roots are");
System.out.println(r1);
System.out.println(r2);
PROBLEMS 1
DEBUG CONSOLE
TERMINAL
PORTS
powershell
Code
enter the coefficient
1
-4
4
the roots are real and equal
the roots are
2.0
PS C:\1BF24CS307> cd "c:\1BF24CS307\" ; if ($?) { javac Quadratic.java } ; if ($?) { java Quadratic }
enter the coefficient
1
2
2
roots are imaginary
the roots are
-1.0+i1.0
-1.0-i1.0
PS C:\1BF24CS307> cd "c:\1BF24CS307\" ; if ($?) { javac Quadratic.java } ; if ($?) { java Quadratic }
enter the coefficient
1
-5
6
roots are real and distinct
roots are
3.0
2.0
PS C:\1BF24CS307>
OUTLINE
TIMELINE
PROJECTS
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Java
BLACKBOXAI: Open Chat
Type here to search
24°C Mostly cloudy
ENG
IN
11:40:57
23-09-2025