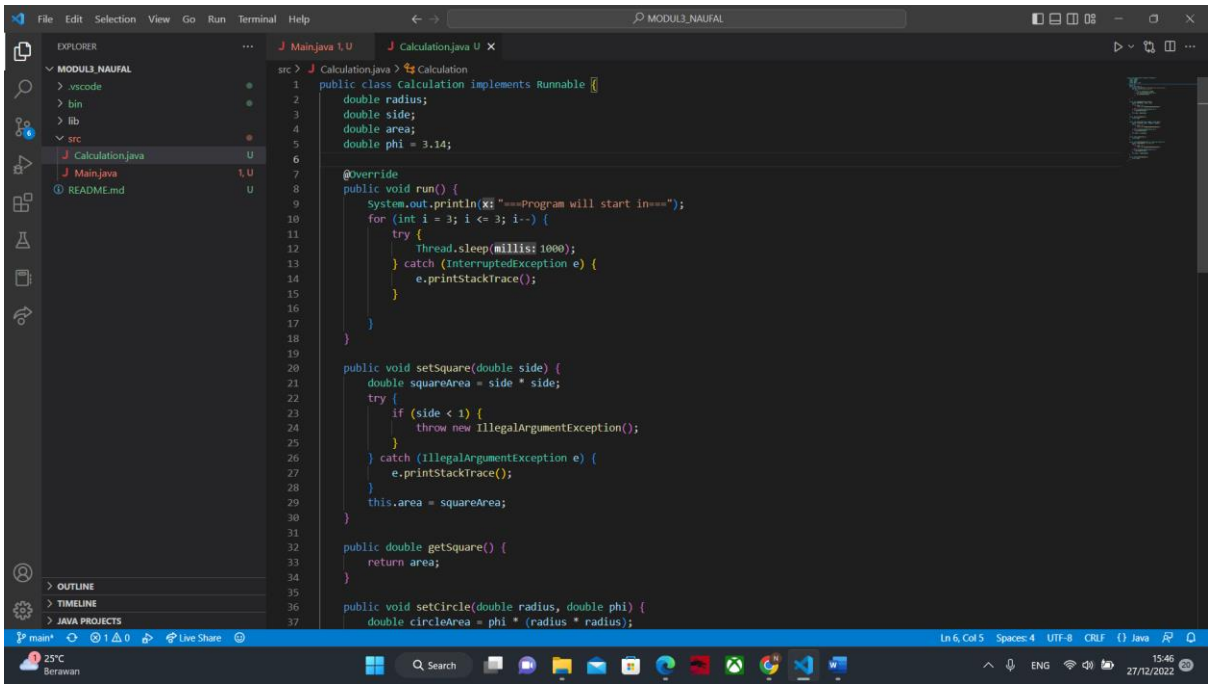
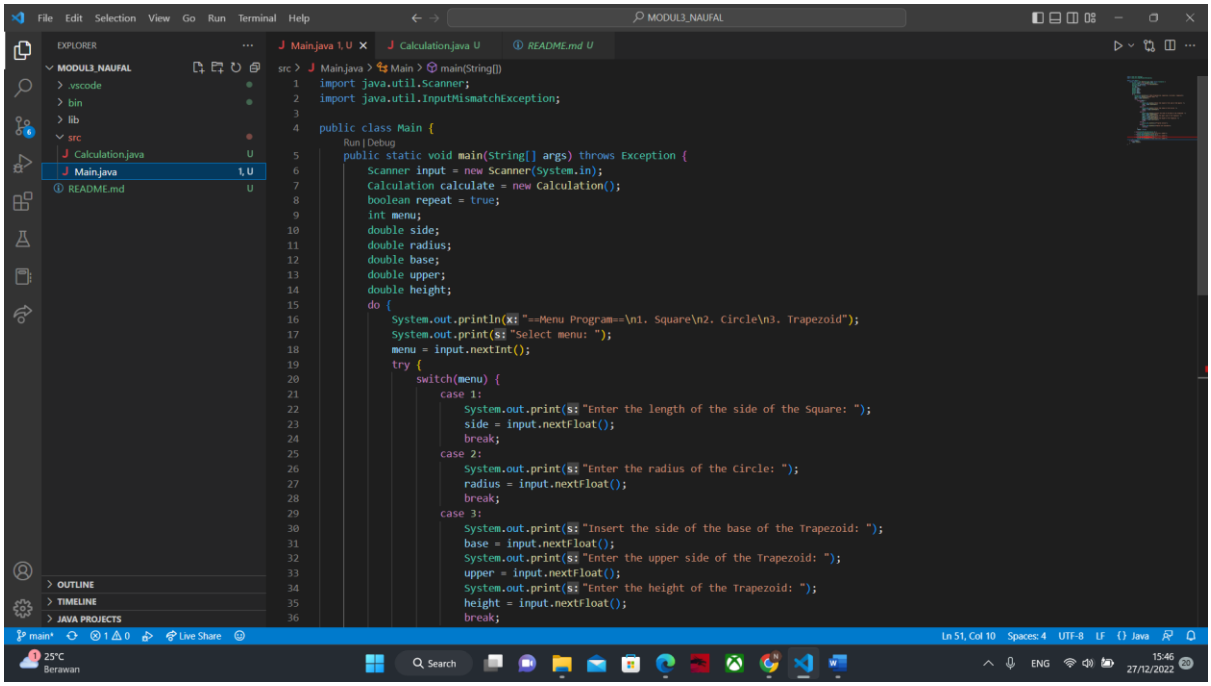
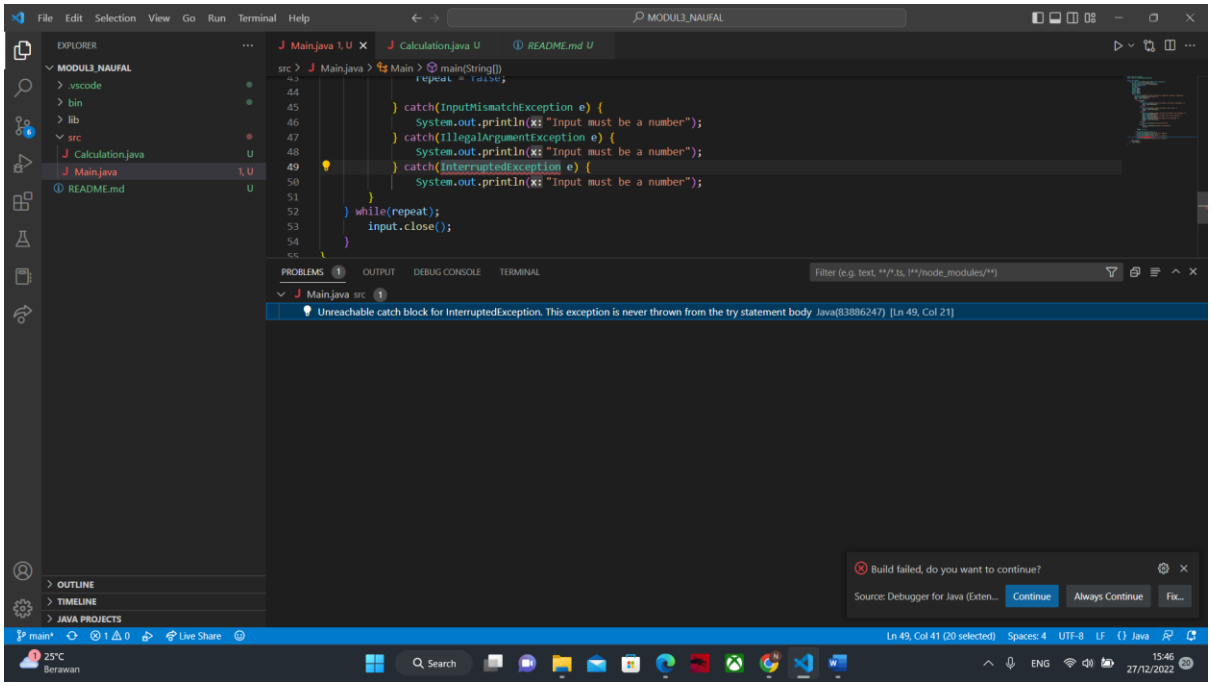
MODUL 3 OOP
NAUFAL EKA PRASETYA
1202210109



```java
public class Calculation implements Runnable {
    double radius;
    double side;
    double area;
    double phi = 3.14;

    @Override
    public void run() {
        System.out.println(x: "===Program will start in===");
        for (int i = 3; i <= 3; i--) {
            try {
                Thread.sleep(millis: 1000);
            } catch (InterruptedException e) {
                e.printStackTrace();
            }

        }
    }

    public void setSquare(double side) {
        double squareArea = side * side;
        try {
            if (side < 1) {
                throw new IllegalArgumentException();
            }
        } catch (IllegalArgumentException e) {
            e.printStackTrace();
        }
        this.area = squareArea;
    }

    public double getSquare() {
        return area;
    }

    public void setCircle(double radius, double phi) {
        double circleArea = phi * (radius * radius);
```



```java
import java.util.Scanner;
import java.util.InputMismatchException;

public class Main {
    Run | Debug
    public static void main(String[] args) throws Exception {
        Scanner input = new Scanner(System.in);
        Calculation calculate = new Calculation();
        boolean repeat = true;
        int menu;
        double side;
        double radius;
        double base;
        double upper;
        double height;
        do {
            System.out.println(x: "==Menu Program==\n1. Square\n2. Circle\n3. Trapezoid");
            System.out.print(s: "Select menu: ");
            menu = input.nextInt();
            try {
                switch(menu) {
                    case 1:
                        System.out.print(s: "Enter the length of the side of the Square: ");
                        side = input.nextFloat();
                        break;
                    case 2:
                        System.out.print(s: "Enter the radius of the Circle: ");
                        radius = input.nextFloat();
                        break;
                    case 3:
                        System.out.print(s: "Insert the side of the base of the Trapezoid: ");
                        base = input.nextFloat();
                        System.out.print(s: "Enter the upper side of the Trapezoid: ");
                        upper = input.nextFloat();
                        System.out.print(s: "Enter the height of the Trapezoid: ");
                        height = input.nextFloat();
                        break;
```


File Edit Selection View Go Run Terminal Help
MODUL3_NAUFAL
EXPLORER
MODUL3_NAUFAL
.vscode
bin
lib
src
Calculation.java U
Main.java 1, U
README.md U
Main.java 1, U
Calculation.java U
README.md U
src > Main.java > Main > main(String[])
repeat = false;
} catch(InputMismatchException e) {
System.out.println(x: "Input must be a number");
} catch(IllegalArgumentException e) {
System.out.println(x: "Input must be a number");
} catch(InterruptedException e) {
System.out.println(x: "Input must be a number");
}
} while(repeat);
input.close();
}
PROBLEMS 1
OUTPUT
DEBUG CONSOLE
TERMINAL
Filter (e.g. text, **/*.ts, !**/node_modules/**)
Main.java src 1
Unreachable catch block for InterruptedException. This exception is never thrown from the try statement body Java(83886247) [Ln 49, Col 21]
Build failed, do you want to continue?
Source: Debugger for Java (Exten...
Continue
Always Continue
Fix...
OUTLINE
TIMELINE
JAVA PROJECTS
main*
Live Share
Ln 49, Col 41 (20 selected)
Spaces: 4
UTF-8
LF
Java
25°C
Berawan
Search
ENG
15:46
27/12/2022