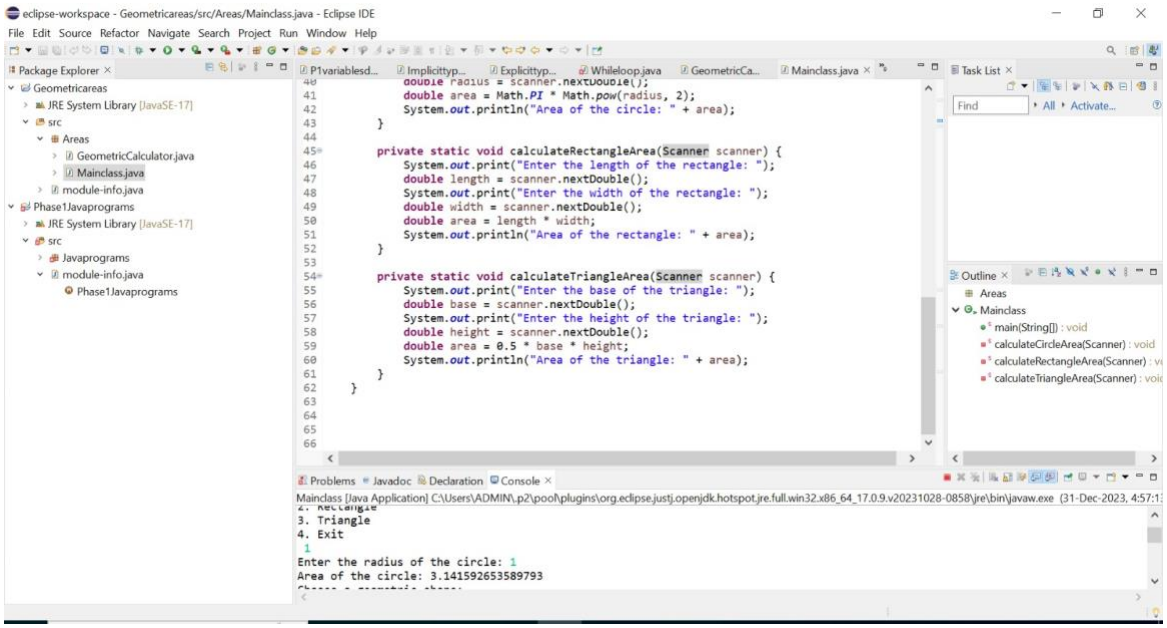
Circle:

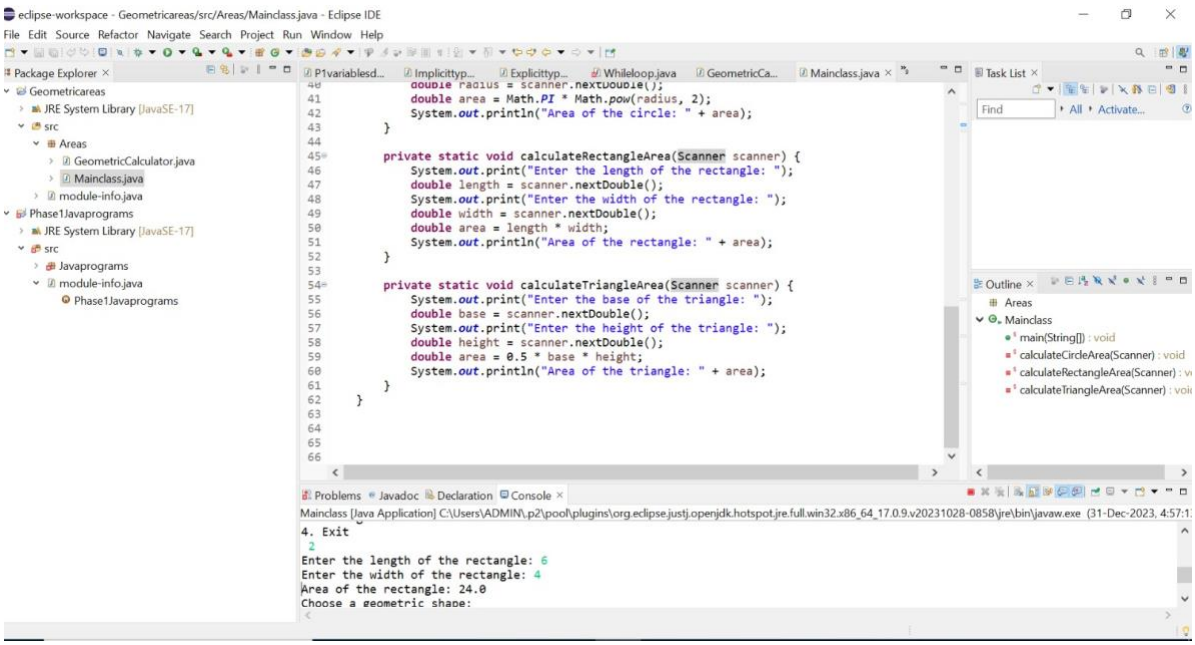



```
        double radius = scanner.nextDouble();
        double area = Math.PI * Math.pow(radius, 2);
        System.out.println("Area of the circle: " + area);
    }

    private static void calculateRectangleArea(Scanner scanner) {
        System.out.print("Enter the length of the rectangle: ");
        double length = scanner.nextDouble();
        System.out.print("Enter the width of the rectangle: ");
        double width = scanner.nextDouble();
        double area = length * width;
        System.out.println("Area of the rectangle: " + area);
    }

    private static void calculateTriangleArea(Scanner scanner) {
        System.out.print("Enter the base of the triangle: ");
        double base = scanner.nextDouble();
        System.out.print("Enter the height of the triangle: ");
        double height = scanner.nextDouble();
        double area = 0.5 * base * height;
        System.out.println("Area of the triangle: " + area);
    }
}
```

Rectangle:

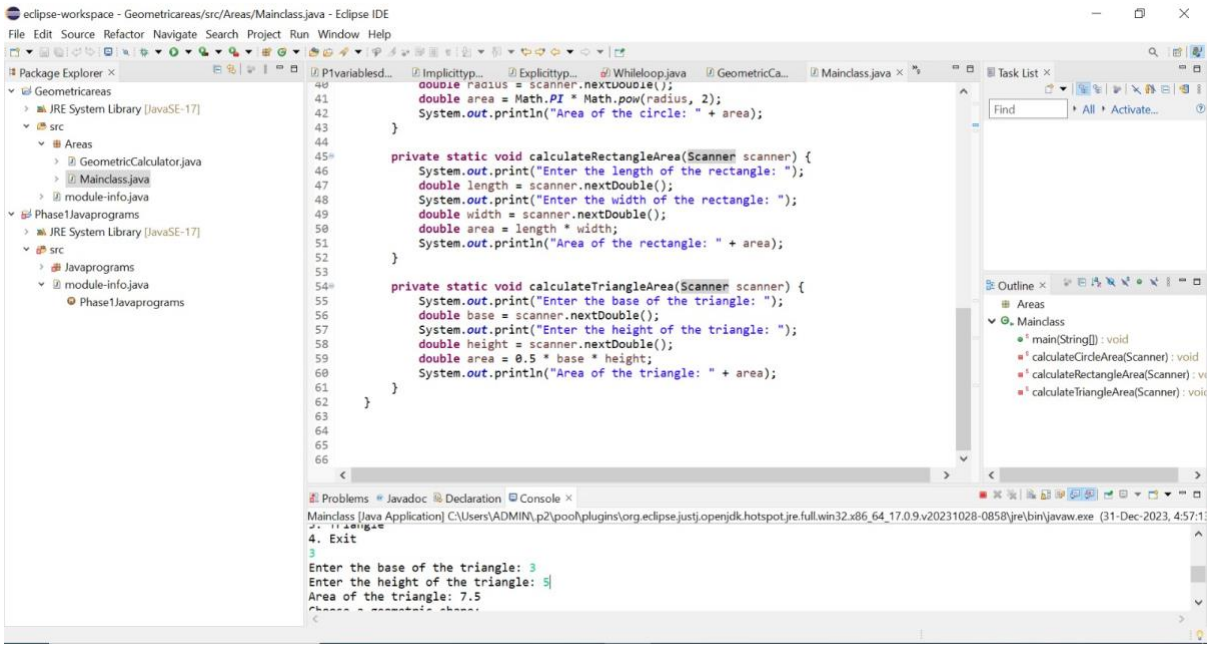



```
        double radius = scanner.nextDouble();
        double area = Math.PI * Math.pow(radius, 2);
        System.out.println("Area of the circle: " + area);
    }

    private static void calculateRectangleArea(Scanner scanner) {
        System.out.print("Enter the length of the rectangle: ");
        double length = scanner.nextDouble();
        System.out.print("Enter the width of the rectangle: ");
        double width = scanner.nextDouble();
        double area = length * width;
        System.out.println("Area of the rectangle: " + area);
    }

    private static void calculateTriangleArea(Scanner scanner) {
        System.out.print("Enter the base of the triangle: ");
        double base = scanner.nextDouble();
        System.out.print("Enter the height of the triangle: ");
        double height = scanner.nextDouble();
        double area = 0.5 * base * height;
        System.out.println("Area of the triangle: " + area);
    }
}
```

Triangle:


eclipse-workspace - Geometricareas/src/Areas/Mainclass.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Geometricareas
JRE System Library [JavaSE-17]
src
Areas
GeometricCalculator.java
Mainclass.java
module-info.java
Phase1Javaprograms
JRE System Library [JavaSE-17]
src
Javaprograms
module-info.java
Phase1Javaprograms
P1variablesd...
Implicittyp...
Explicittyp...
Whileloop.java
GeometricCa...
Mainclass.java
double radius = scanner.nextDouble();
double area = Math.PI * Math.pow(radius, 2);
System.out.println("Area of the circle: " + area);
}
private static void calculateRectangleArea(Scanner scanner) {
System.out.print("Enter the length of the rectangle: ");
double length = scanner.nextDouble();
System.out.print("Enter the width of the rectangle: ");
double width = scanner.nextDouble();
double area = length * width;
System.out.println("Area of the rectangle: " + area);
}
private static void calculateTriangleArea(Scanner scanner) {
System.out.print("Enter the base of the triangle: ");
double base = scanner.nextDouble();
System.out.print("Enter the height of the triangle: ");
double height = scanner.nextDouble();
double area = 0.5 * base * height;
System.out.println("Area of the triangle: " + area);
}
}
Task List
Find
All
Activate...
Outline
Areas
Mainclass
main(String[]) : void
calculateCircleArea(Scanner) : void
calculateRectangleArea(Scanner) : v
calculateTriangleArea(Scanner) : voi
Problems
Javadoc
Declaration
Console
Mainclass [Java Application] C:\Users\ADMIN\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (31-Dec-2023, 4:57:1
4. Exit
3
Enter the base of the triangle: 3
Enter the height of the triangle: 5
Area of the triangle: 7.5