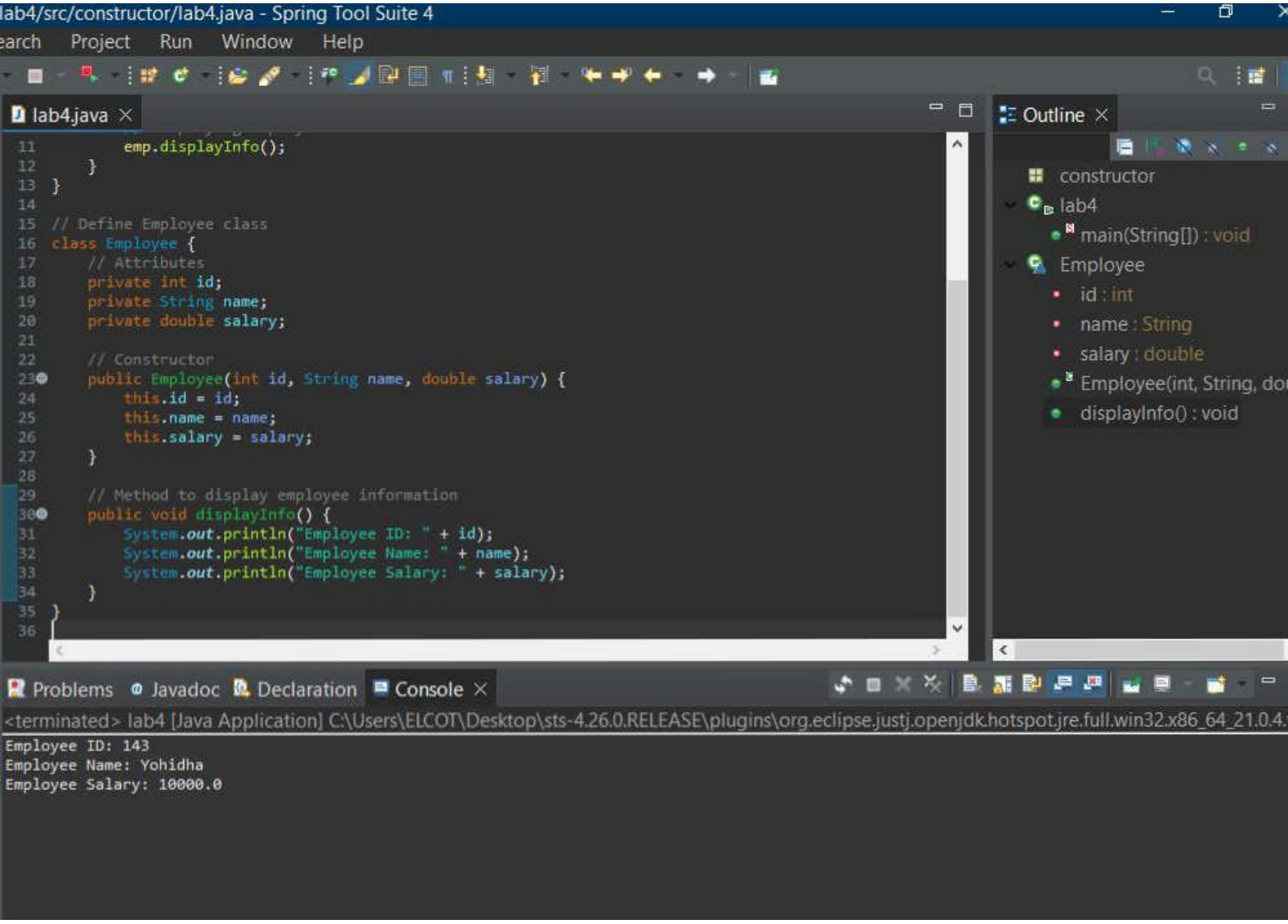
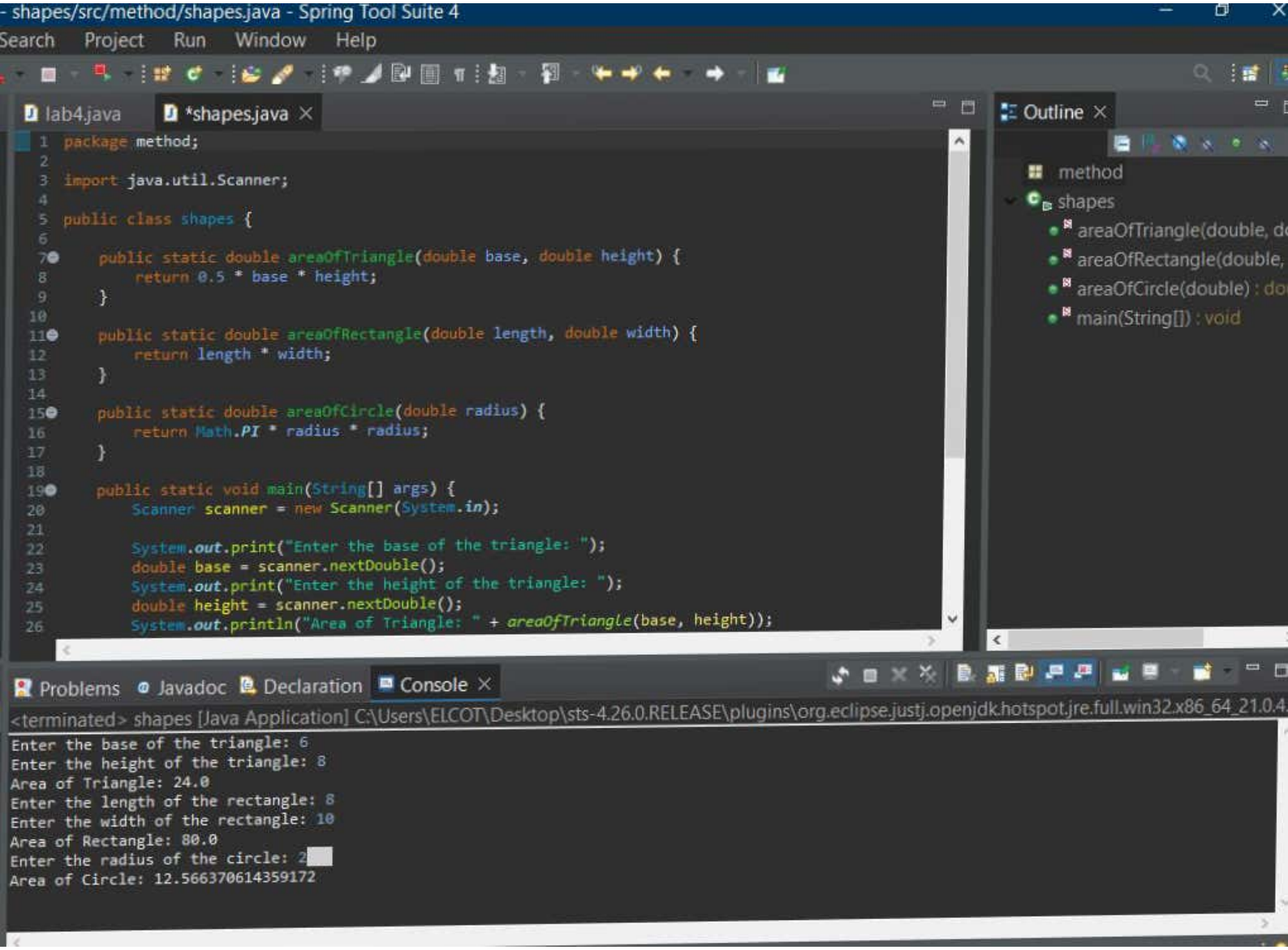
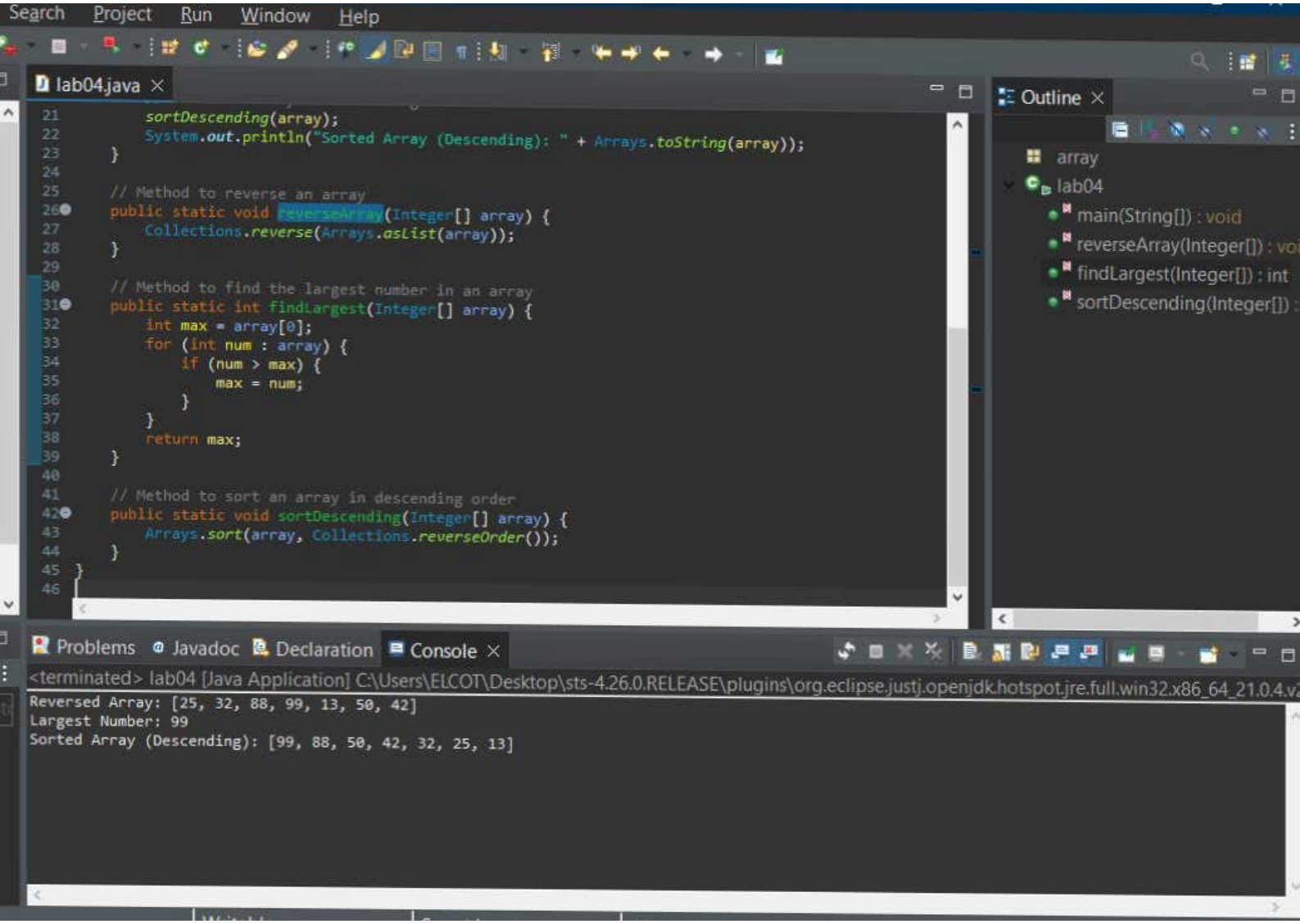
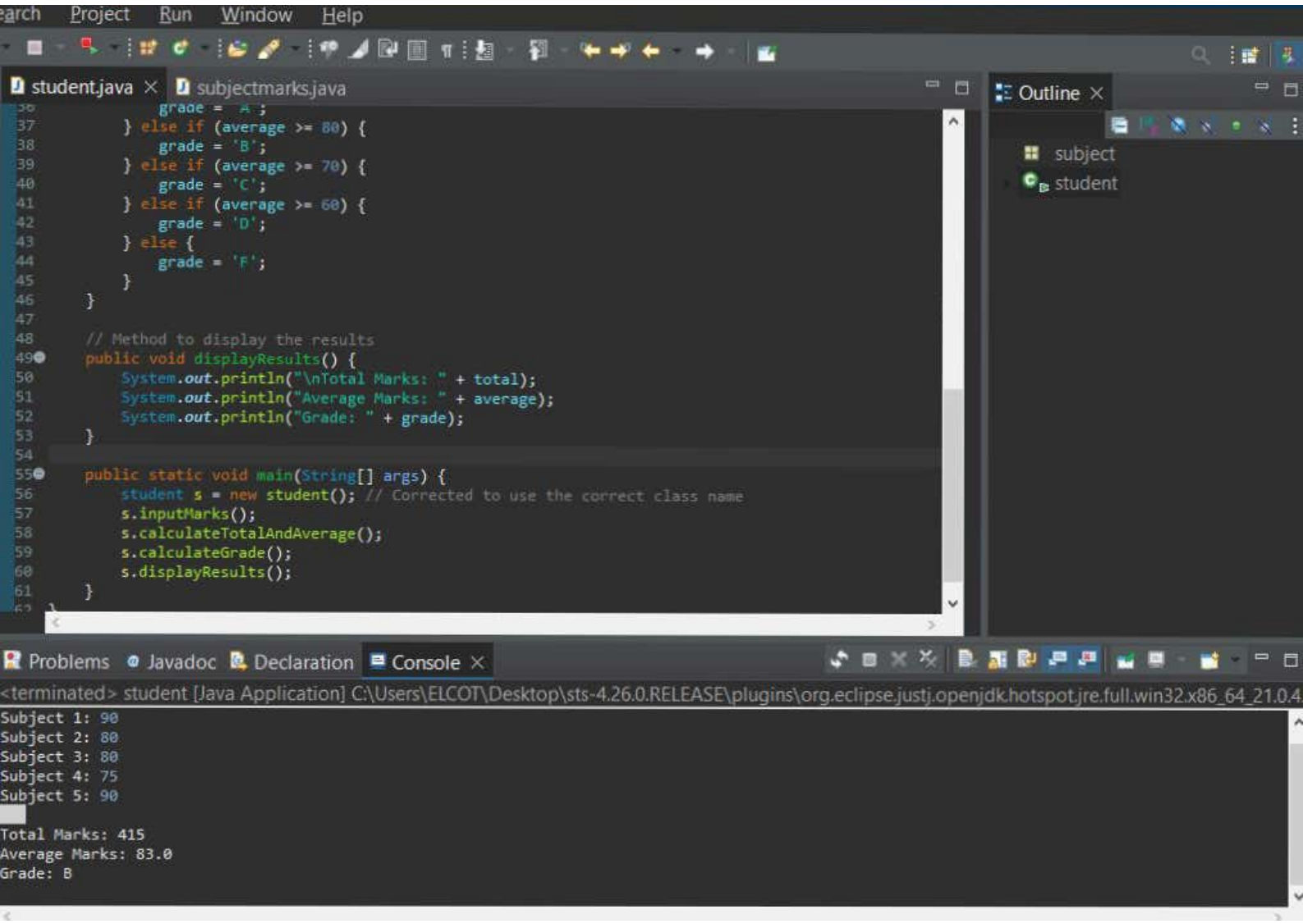

lab4/src/constructor/lab4.java - Spring Tool Suite 4
earch Project Run Window Help
lab4.java
emp.displayInfo();
}
}
// Define Employee class
class Employee {
// Attributes
private int id;
private String name;
private double salary;
// Constructor
public Employee(int id, String name, double salary) {
this.id = id;
this.name = name;
this.salary = salary;
}
// Method to display employee information
public void displayInfo() {
System.out.println("Employee ID: " + id);
System.out.println("Employee Name: " + name);
System.out.println("Employee Salary: " + salary);
}
}
Outline
constructor
lab4
main(String[]) : void
Employee
id : int
name : String
salary : double
Employee(int, String, do
displayInfo() : void
Problems Javadoc Declaration Console
<terminated> lab4 [Java Application] C:\Users\ELCOT\Desktop\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.
Employee ID: 143
Employee Name: Yohidha
Employee Salary: 10000.0




```java
package method;

import java.util.Scanner;

public class shapes {

    public static double areaOfTriangle(double base, double height) {
        return 0.5 * base * height;
    }

    public static double areaOfRectangle(double length, double width) {
        return length * width;
    }

    public static double areaOfCircle(double radius) {
        return Math.PI * radius * radius;
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        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();
        System.out.println("Area of Triangle: " + areaOfTriangle(base, height));
```


Search Project Run Window Help
lab04.java
sortDescending(array);
System.out.println("Sorted Array (Descending): " + Arrays.toString(array));
}
// Method to reverse an array
public static void reverseArray(Integer[] array) {
Collections.reverse(Arrays.asList(array));
}
// Method to find the largest number in an array
public static int findLargest(Integer[] array) {
int max = array[0];
for (int num : array) {
if (num > max) {
max = num;
}
}
return max;
}
// Method to sort an array in descending order
public static void sortDescending(Integer[] array) {
Arrays.sort(array, Collections.reverseOrder());
}
}
Outline
array
lab04
main(String[]) : void
reverseArray(Integer[]) : vo
findLargest(Integer[]) : int
sortDescending(Integer[])
Problems Javadoc Declaration Console
<terminated> lab04 [Java Application] C:\Users\ELCOT\Desktop\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v
Reversed Array: [25, 32, 88, 99, 13, 50, 42]
Largest Number: 99
Sorted Array (Descending): [99, 88, 50, 42, 32, 25, 13]


Project Run Window Help
student.java
subjectmarks.java
Outline
subject
student
grade = 'A';
} else if (average >= 80) {
grade = 'B';
} else if (average >= 70) {
grade = 'C';
} else if (average >= 60) {
grade = 'D';
} else {
grade = 'F';
}
}
// Method to display the results
public void displayResults() {
System.out.println("\nTotal Marks: " + total);
System.out.println("Average Marks: " + average);
System.out.println("Grade: " + grade);
}
public static void main(String[] args) {
student s = new student(); // Corrected to use the correct class name
s.inputMarks();
s.calculateTotalAndAverage();
s.calculateGrade();
s.displayResults();
}
Problems Javadoc Declaration Console
<terminated> student [Java Application] C:\Users\ELCOT\Desktop\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4
Subject 1: 90
Subject 2: 80
Subject 3: 80
Subject 4: 75
Subject 5: 90
Total Marks: 415
Average Marks: 83.0
Grade: B