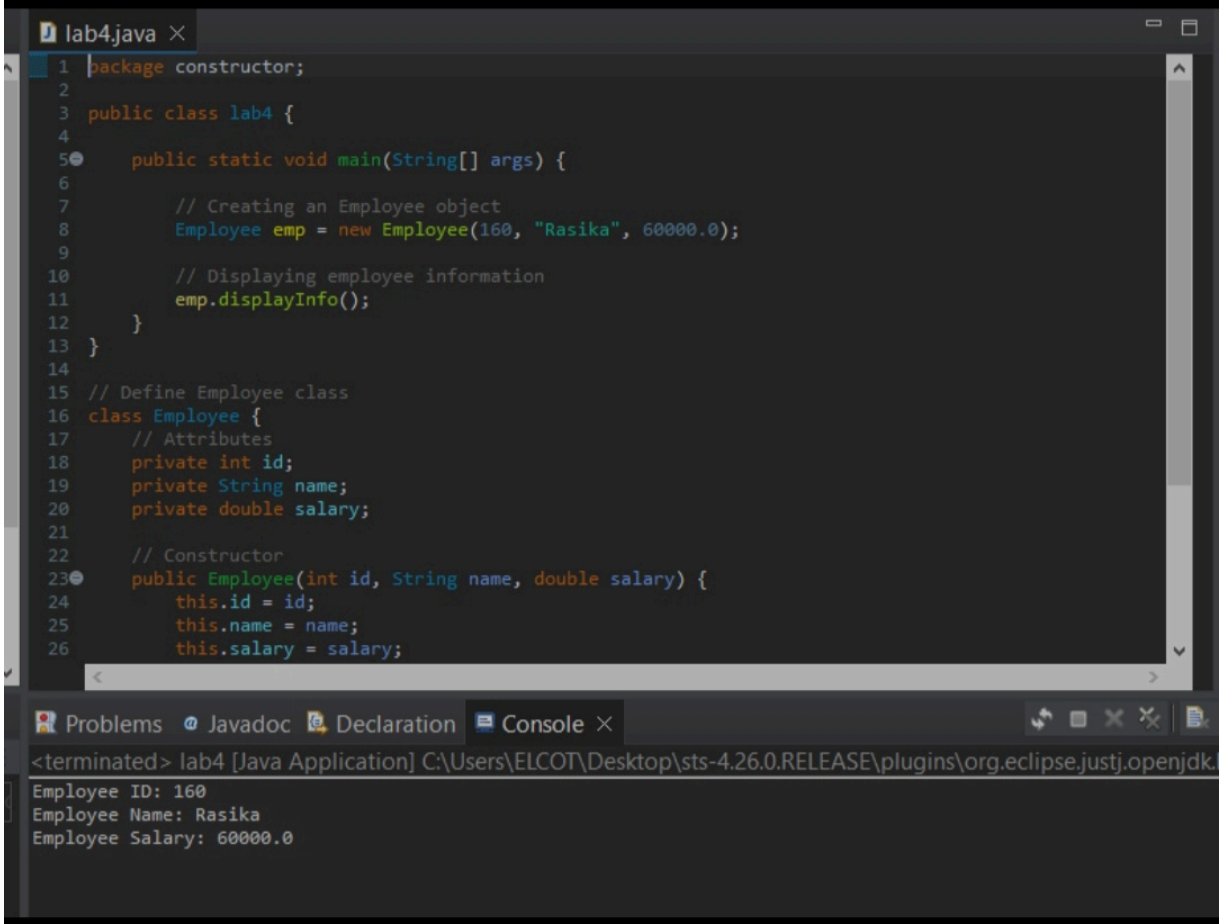
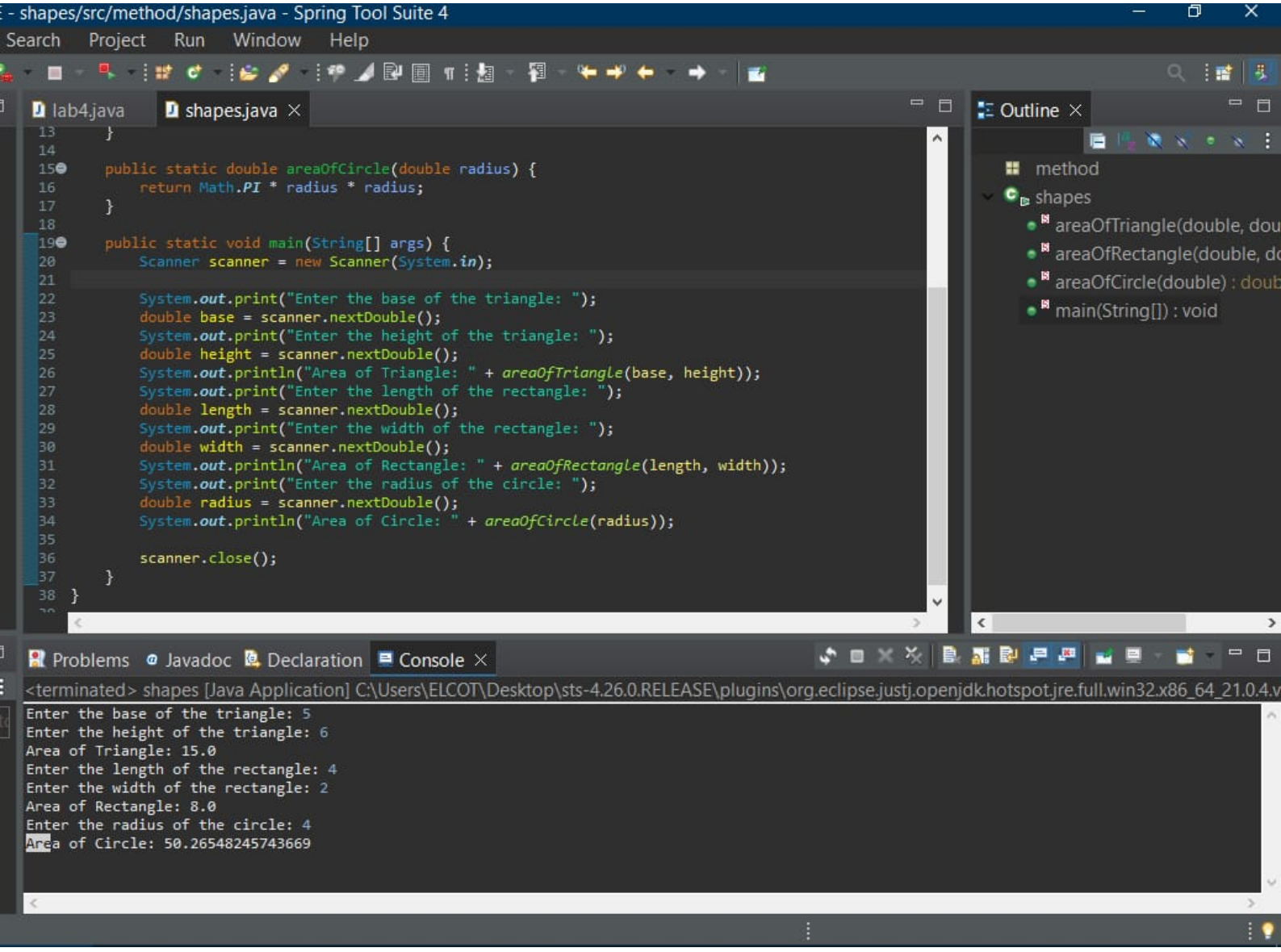
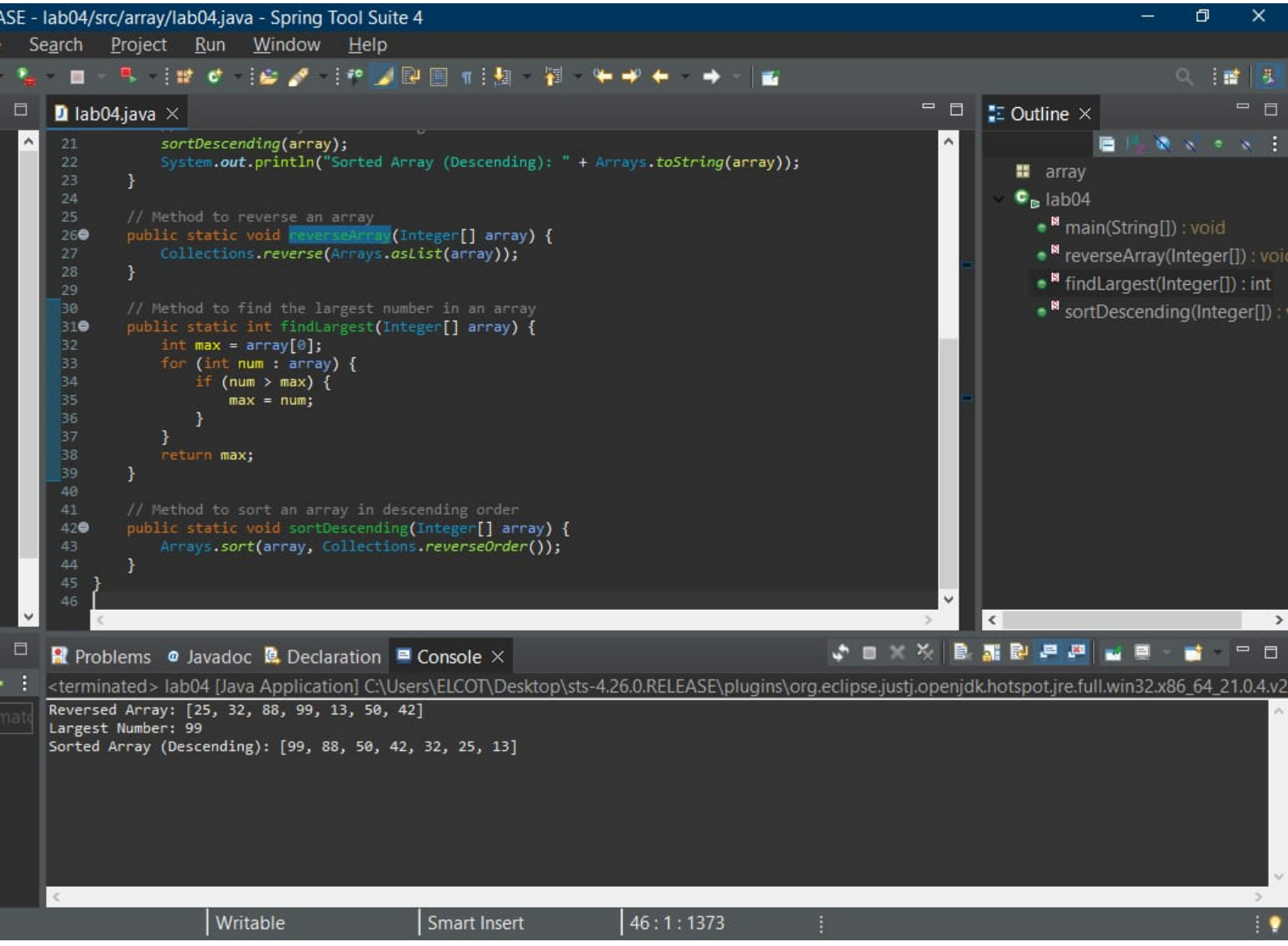
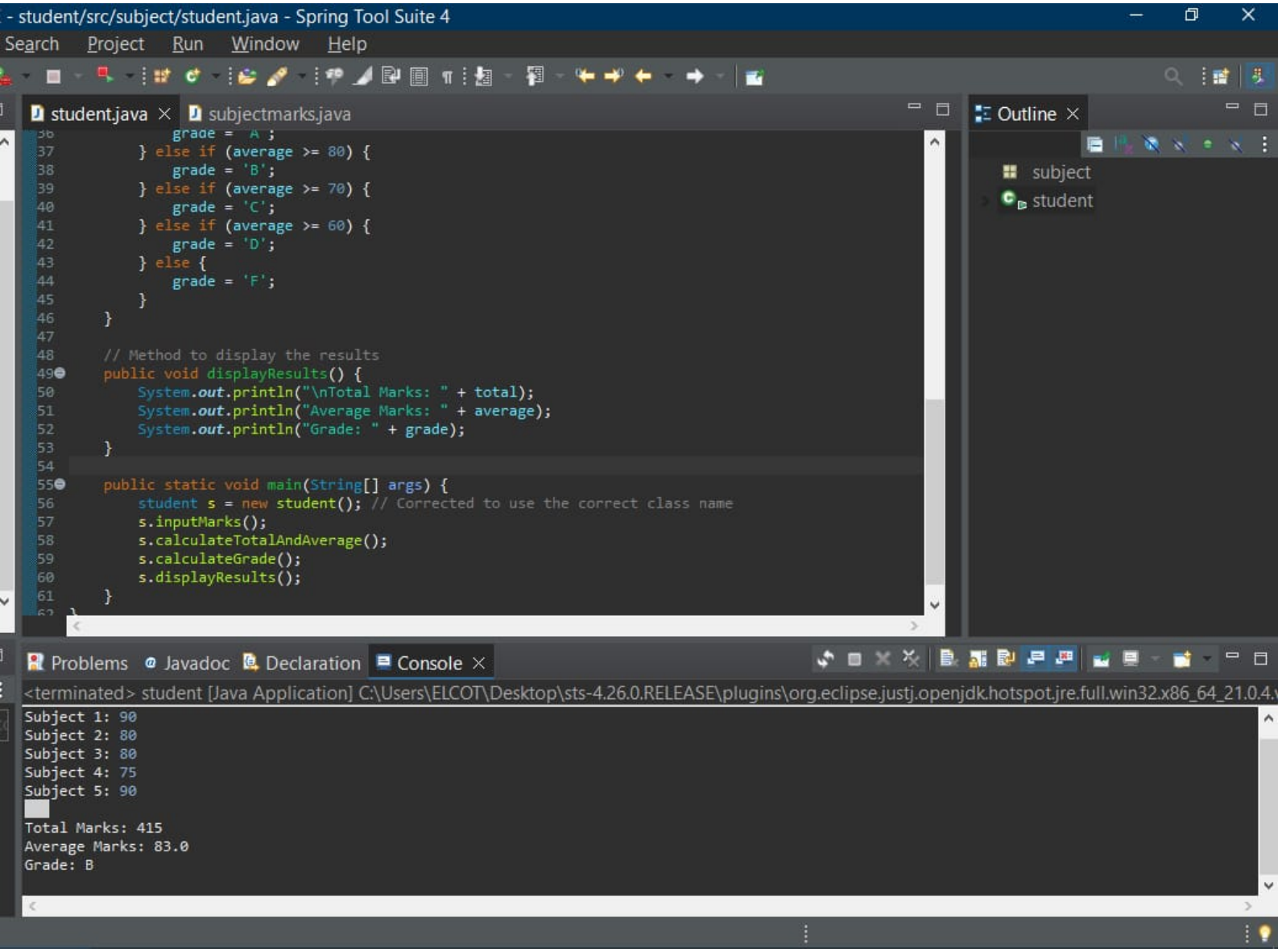

lab4.java
package constructor;
public class lab4 {
public static void main(String[] args) {
// Creating an Employee object
Employee emp = new Employee(160, "Rasika", 60000.0);
// Displaying employee information
emp.displayInfo();
}
}
// Define Employee class
class Employee {
// Attributes
private int 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;
Problems
Javadoc
Declaration
Console
<terminated> lab4 [Java Application] C:\Users\ELCOT\Desktop\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.
Employee ID: 160
Employee Name: Rasika
Employee Salary: 60000.0


- shapes/src/method/shapes.java - Spring Tool Suite 4
Search Project Run Window Help
lab4.java
shapes.java
}
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));
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();
System.out.println("Area of Rectangle: " + areaOfRectangle(length, width));
System.out.print("Enter the radius of the circle: ");
double radius = scanner.nextDouble();
System.out.println("Area of Circle: " + areaOfCircle(radius));
scanner.close();
}
}
Outline
method
shapes
areaOfTriangle(double, dou
areaOfRectangle(double, d
areaOfCircle(double) : doub
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> shapes [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
Enter the base of the triangle: 5
Enter the height of the triangle: 6
Area of Triangle: 15.0
Enter the length of the rectangle: 4
Enter the width of the rectangle: 2
Area of Rectangle: 8.0
Enter the radius of the circle: 4
Area of Circle: 50.26548245743669


ASE - lab04/src/array/lab04.java - Spring Tool Suite 4
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[]) : voi
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.v2
Reversed Array: [25, 32, 88, 99, 13, 50, 42]
Largest Number: 99
Sorted Array (Descending): [99, 88, 50, 42, 32, 25, 13]
Writable
Smart Insert
46 : 1 : 1373


- student/src/subject/student.java - Spring Tool Suite 4
Search 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