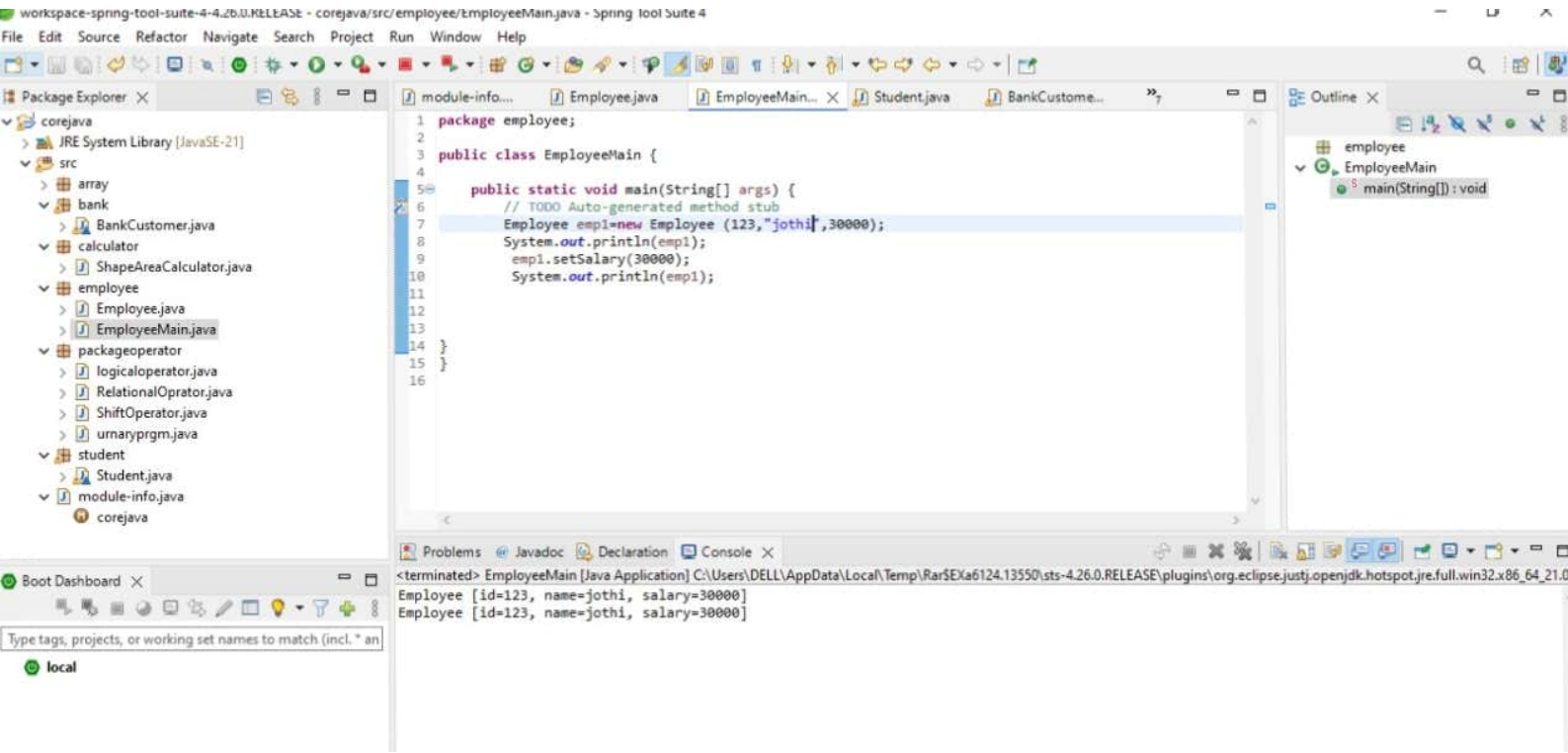
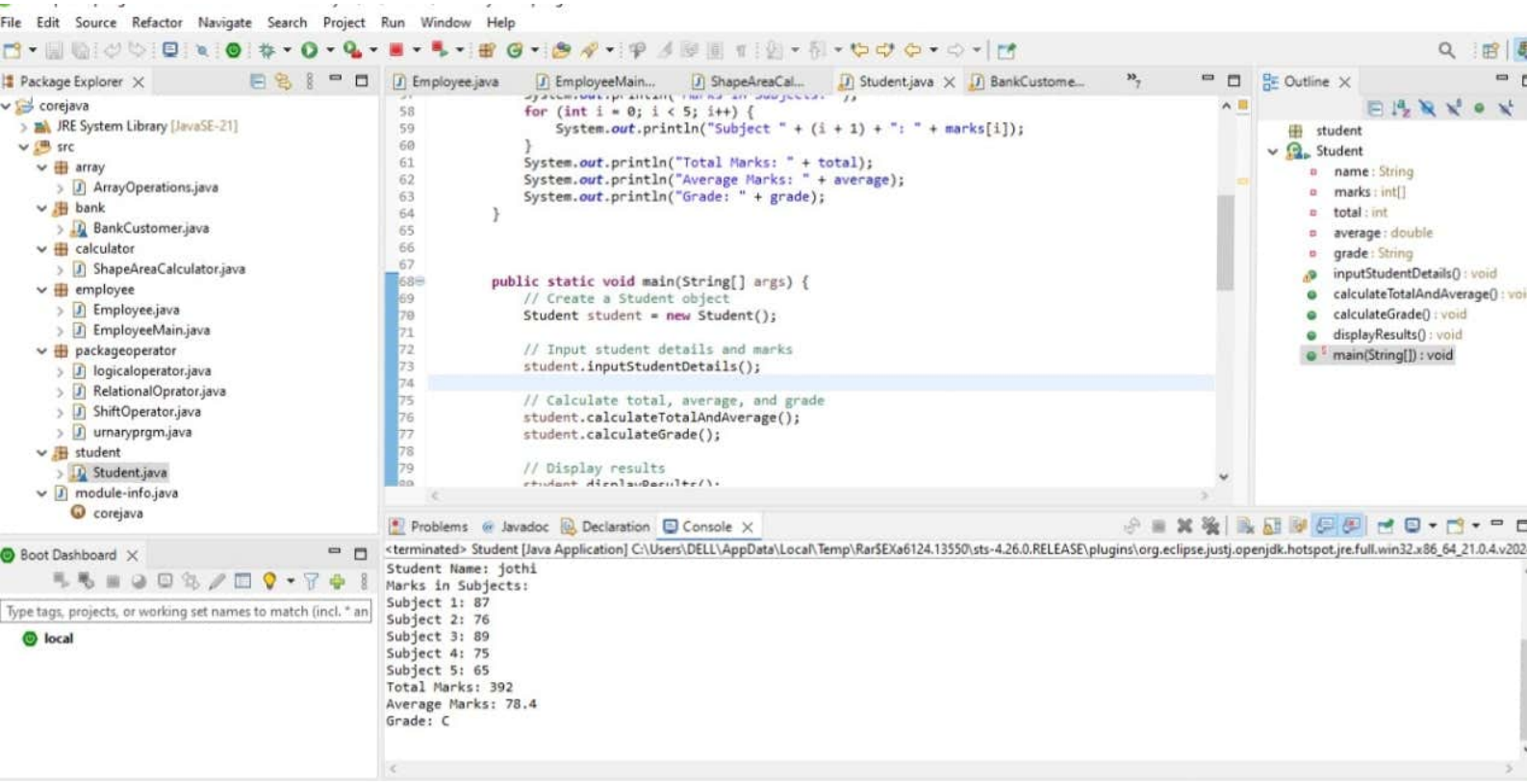

workspace-spring-tool-suite-4-4.26.0.RELEASE - corejava/src/employee/EmployeeMain.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
corejava
JRE System Library [JavaSE-21]
src
array
bank
BankCustomer.java
calculator
ShapeAreaCalculator.java
employee
Employee.java
EmployeeMain.java
packageoperator
logicaloperator.java
RelationalOprator.java
ShiftOperator.java
urnaryprgm.java
student
Student.java
module-info.java
corejava
Boot Dashboard
Type tags, projects, or working set names to match (incl. * an
local
module-info....
Employee.java
EmployeeMain...
Student.java
BankCustome...
1 package employee;
2
3 public class EmployeeMain {
4
5 public static void main(String[] args) {
6 // TODO Auto-generated method stub
7 Employee emp1=new Employee (123,"jothi",30000);
8 System.out.println(emp1);
9 emp1.setSalary(30000);
10 System.out.println(emp1);
11
12
13
14 }
15 }
16
Outline
employee
EmployeeMain
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> EmployeeMain [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa6124.13550\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0
Employee [id=123, name=jothi, salary=30000]
Employee [id=123, name=jothi, salary=30000]


File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
corejava
JRE System Library [JavaSE-21]
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ArrayOperations.java
bank
BankCustomer.java
calculator
ShapeAreaCalculator.java
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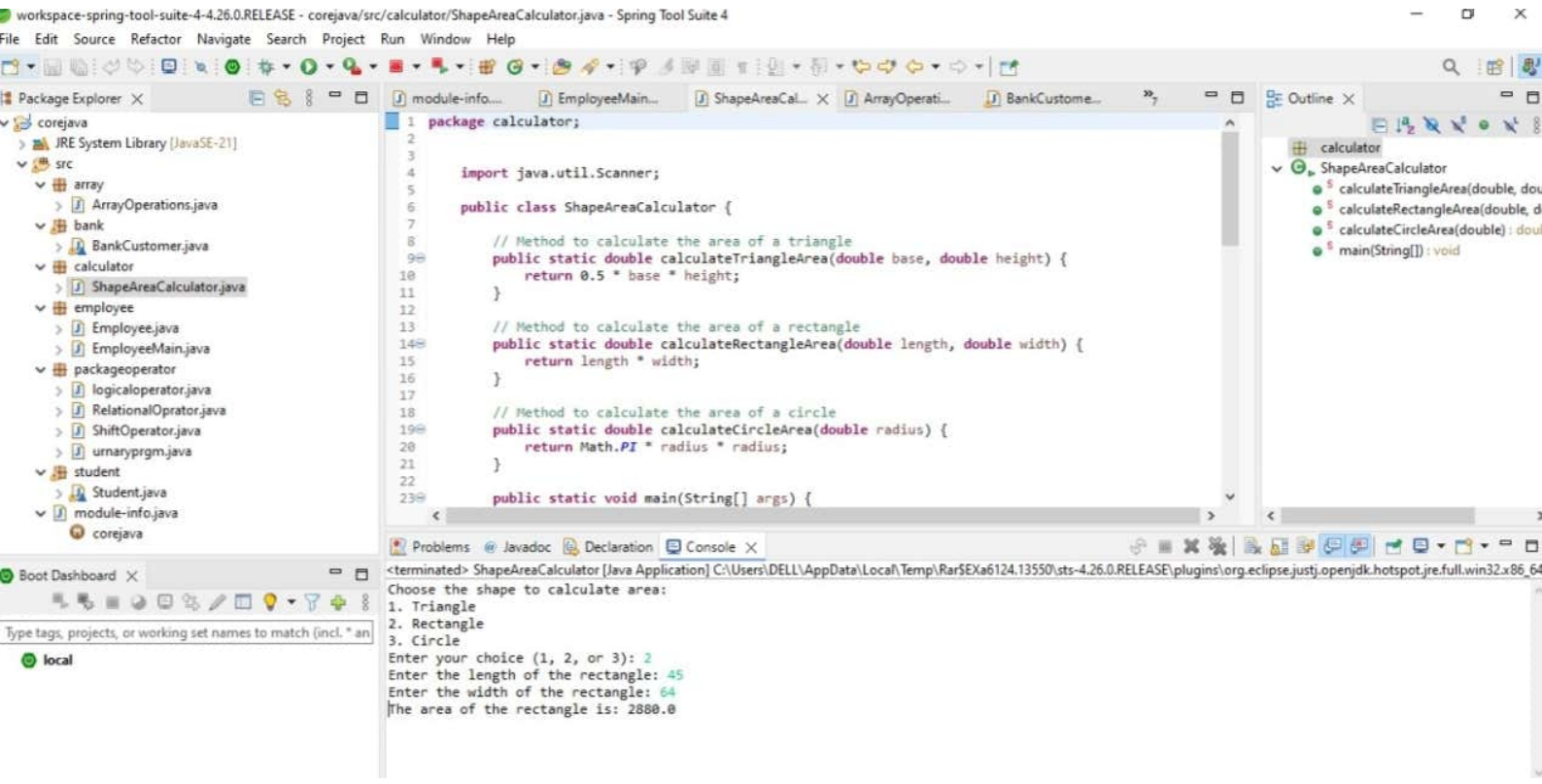
Employee.java
EmployeeMain.java
packageoperator
logicaloperator.java
RelationalOprator.java
ShiftOperator.java
urnaryprgm.java
student
Student.java
module-info.java
corejava
Boot Dashboard
Type tags, projects, or working set names to match (incl. * an
local
Employee.java
EmployeeMain...
ShapeAreaCal...
Student.java
BankCustome...
for (int i = 0; i < 5; i++) {
System.out.println("Subject " + (i + 1) + ": " + marks[i]);
}
System.out.println("Total Marks: " + total);
System.out.println("Average Marks: " + average);
System.out.println("Grade: " + grade);
}
public static void main(String[] args) {
// Create a Student object
Student student = new Student();
// Input student details and marks
student.inputStudentDetails();
// Calculate total, average, and grade
student.calculateTotalAndAverage();
student.calculateGrade();
// Display results
Outline
student
Student
name : String
marks : int[]
total : int
average : double
grade : String
inputStudentDetails() : void
calculateTotalAndAverage() : voi
calculateGrade() : void
displayResults() : void
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> Student [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa6124.13550\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v202
Student Name: jothi
Marks in Subjects:
Subject 1: 87
Subject 2: 76
Subject 3: 89
Subject 4: 75
Subject 5: 65
Total Marks: 392
Average Marks: 78.4
Grade: C


workspace-spring-tool-suite-4-4.26.0.RELEASE - corejava/src/calculator/ShapeAreaCalculator.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
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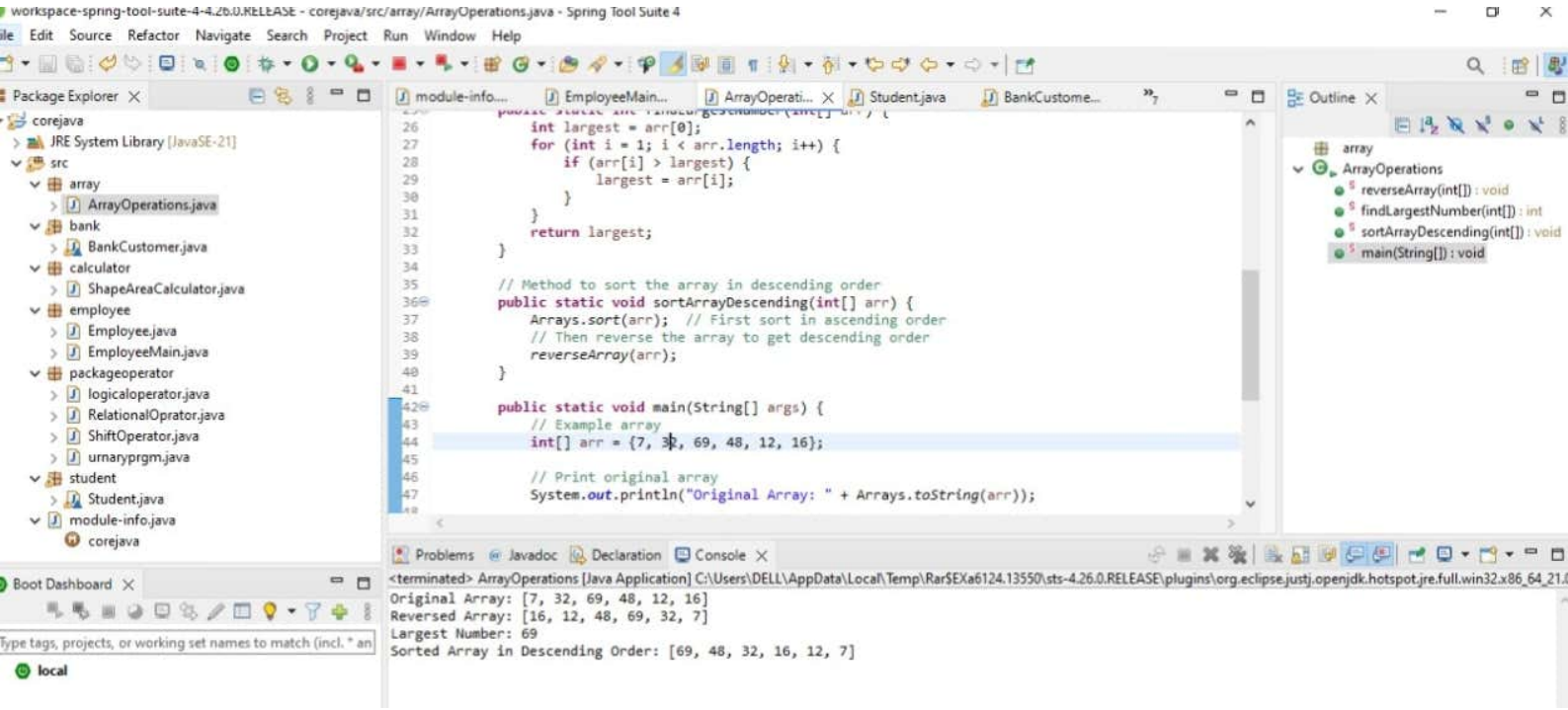
packageoperator
logicaloperator.java
RelationalOprator.java
ShiftOperator.java
urnaryprgm.java
student
Student.java
module-info.java
corejava
Boot Dashboard
Type tags, projects, or working set names to match (incl. * an
local
module-info....
EmployeeMain...
ShapeAreaCal...
ArrayOperati...
BankCustome...
1 package calculator;
2
3
4 import java.util.Scanner;
5
6 public class ShapeAreaCalculator {
7
8 // Method to calculate the area of a triangle
9 public static double calculateTriangleArea(double base, double height) {
10 return 0.5 * base * height;
11 }
12
13 // Method to calculate the area of a rectangle
14 public static double calculateRectangleArea(double length, double width) {
15 return length * width;
16 }
17
18 // Method to calculate the area of a circle
19 public static double calculateCircleArea(double radius) {
20 return Math.PI * radius * radius;
21 }
22
23 public static void main(String[] args) {
Outline
calculator
ShapeAreaCalculator
calculateTriangleArea(double, dou
calculateRectangleArea(double, d
calculateCircleArea(double) : doul
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> ShapeAreaCalculator [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa6124.13550\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
Choose the shape to calculate area:
1. Triangle
2. Rectangle
3. Circle
Enter your choice (1, 2, or 3): 2
Enter the length of the rectangle: 45
Enter the width of the rectangle: 64
The area of the rectangle is: 2880.0


workspace-spring-tool-suite-4-4.26.0.RELEASE - corejava/src/array/ArrayOperations.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
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ShiftOperator.java
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student
Student.java
module-info.java
corejava
Boot Dashboard
Type tags, projects, or working set names to match (incl. * an
local
module-info....
EmployeeMain...
ArrayOperati...
Student.java
BankCustome...
int largest = arr[0];
for (int i = 1; i < arr.length; i++) {
if (arr[i] > largest) {
largest = arr[i];
}
}
return largest;
}
// Method to sort the array in descending order
public static void sortArrayDescending(int[] arr) {
Arrays.sort(arr); // First sort in ascending order
// Then reverse the array to get descending order
reverseArray(arr);
}
public static void main(String[] args) {
// Example array
int[] arr = {7, 32, 69, 48, 12, 16};
// Print original array
System.out.println("Original Array: " + Arrays.toString(arr));
Outline
array
ArrayOperations
reverseArray(int[]) : void
findLargestNumber(int[]) : int
sortArrayDescending(int[]) : void
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> ArrayOperations [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa6124.13550\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.
Original Array: [7, 32, 69, 48, 12, 16]
Reversed Array: [16, 12, 48, 69, 32, 7]
Largest Number: 69
Sorted Array in Descending Order: [69, 48, 32, 16, 12, 7]