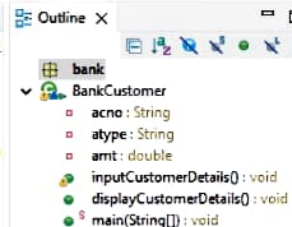


```
1 package bank;
2
3
4 import java.util.Scanner;
5
6 class BankCustomer {
7     // Instance variables
8     private String acno; // Account Number
9     private String atype; // Account Type (e.g., Savings, Current)
10    private double amt; // Account Balance
11
12    // Method to input customer details
13    public void inputCustomerDetails() {
14        Scanner scanner = new Scanner(System.in);
15
16        // Get Account Number
17        System.out.print("Enter Account Number: ");
18        acno = scanner.nextLine();
19
20        // Get Account Type
21        System.out.print("Enter Account Type (e.g., Savings, Current): ");
22        atype = scanner.nextLine();
23    }
24 }
```



Boot Dashboard X

Type tags, projects, or working set names to match (incl. * and *)

local

```
<terminated> BankCustomer [Java Application] C:\Users\DELL\AppData\Local\Temp\RarSExa9188.2728\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4
Enter Account Number: 310521106046
Enter Account Type (e.g., Savings, Current): current
Enter Account Balance: 14000

Customer Details:
Account Number: 310521106046
Account Type: current
Account Balance: 14000.0
```



Package Explorer X

- corejava
 - JRE System Library [JavaSE-21]
 - src
 - bank
 - calculator
 - ShapeAreaCalculator.java
 - employee
 - Employee.java
 - EmployeeMain.java
 - packageoperator
 - logicaloperator.java
 - RelationalOperator.java
 - ShiftOperator.java
 - urnaryprgm.java
 - module-info.java

EmployeeMain...

BankCustom...

*BankCustom...

ShapeAreaCal... X

```
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) {
24         Scanner scanner = new Scanner(System.in);
25
26         System.out.println("Choose the shape to calculate area:");
27         System.out.println("1. Triangle");
28         System.out.println("2. Rectangle");
29         System.out.println("3. Circle");
30     }
31 }
```

Outline X

- calculator
 - ShapeAreaCalculator
 - calculateTriangleArea(double, double)
 - calculateRectangleArea(double, double)
 - calculateCircleArea(double) : double
 - main(String[]) : void

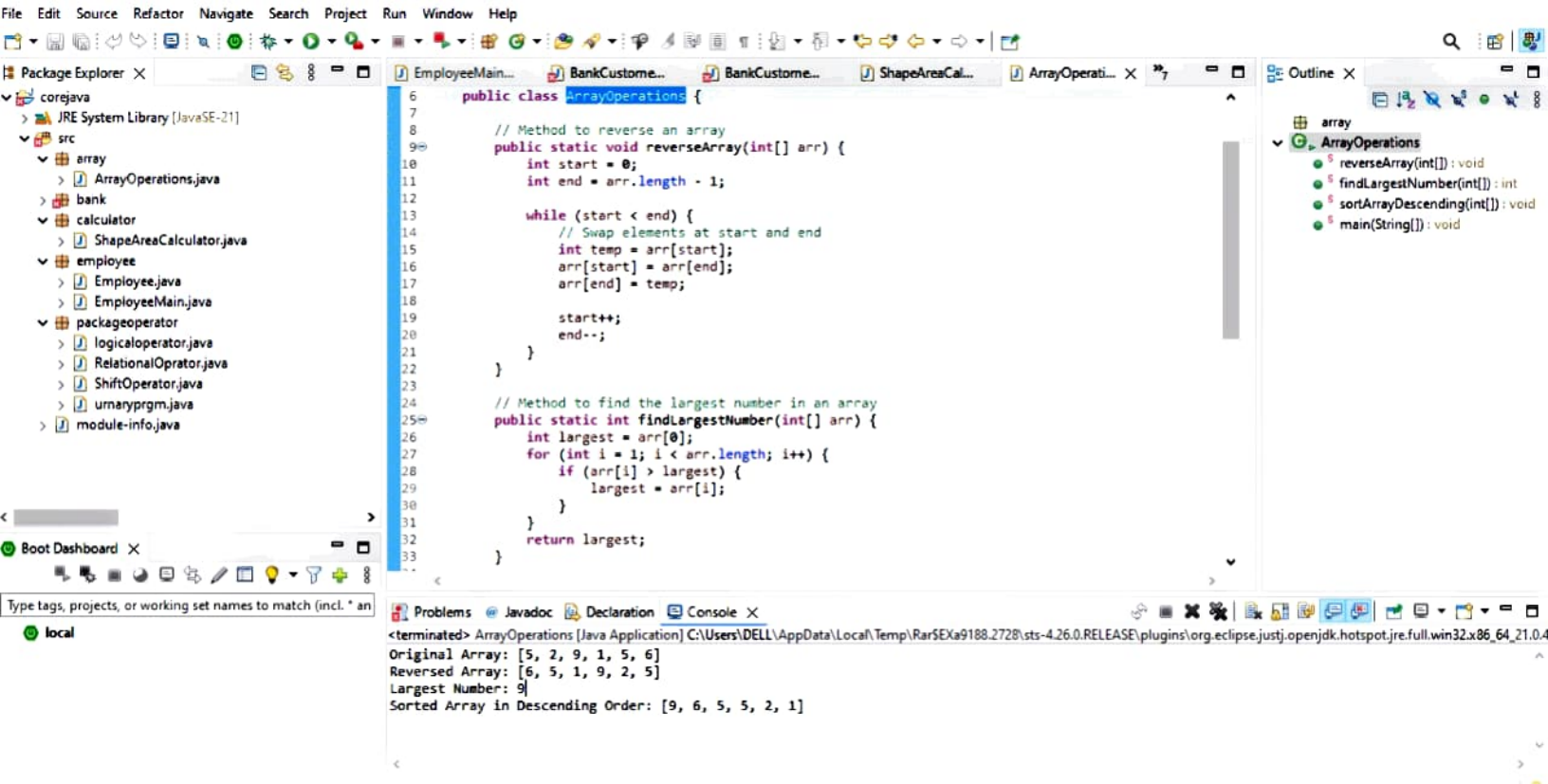
Boot Dashboard X

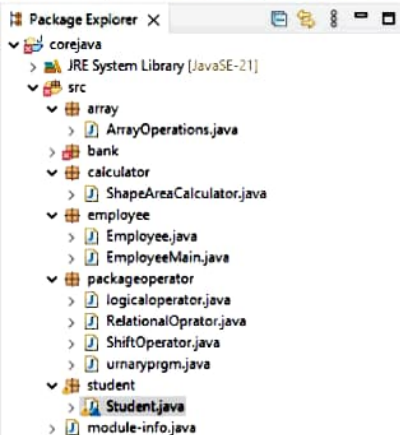
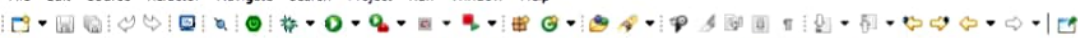
Type tags, projects, or working set names to match (incl. * an

local

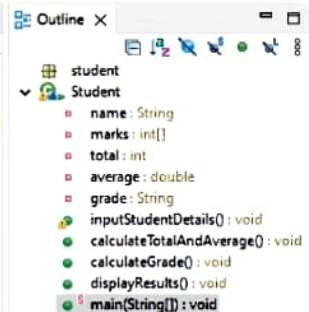
Problems Javadoc Declaration Console X

```
<terminated> ShapeAreaCalculator [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa9188.2728\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4\bin\java.exe
2. Rectangle
3. Circle
Enter your choice (1, 2, or 3): 3
Enter the radius of the circle: 4
The area of the circle is: 201.06192982974676
```





```
58 // System.out.println("Marks in Subjects: ");
59 for (int i = 0; i < 5; i++) {
60     System.out.println("Subject " + (i + 1) + ": " + marks[i]);
61 }
62 System.out.println("Total Marks: " + total);
63 System.out.println("Average Marks: " + average);
64 System.out.println("Grade: " + grade);
65 }
66
67
68 public static void main(String[] args) {
69     // Create a Student object
70     Student student = new Student();
71
72     // Input student details and marks
73     student.inputStudentDetails();
74
75     // Calculate total, average, and grade
76     student.calculateTotalAndAverage();
77     student.calculateGrade();
78
79     // Display results
80     student.displayResults();
81 }
```



```
<terminated> Student [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa9188-2728\sts-4.26.0.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v202408
Student Name: Nithyapriya
Marks in Subjects:
Subject 1: 97
Subject 2: 87
Subject 3: 77
Subject 4: 96
Subject 5: 98
Total Marks: 455
Average Marks: 91.0
Grade: A
```