

SE - project/src/rkyr/create.java - Spring Tool Suite 4

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create.java x

```
41 // Method to display customer details and the final amount
42 void display() {
43     System.out.println("\nCustomer Name: " + name);
44     System.out.println("Mobile Number: " + mobno);
45     System.out.println("Amount to be paid after discount: " + amount);
46 }
47
48 public static void main(String[] args) {
49     // Create object of ShowRoom class
50     create customer = new create();
51
52     // Call the member methods
53     customer.input();
54     customer.calculate();
55     customer.display();
56 }
57 }
58
59
60
61
62
```

Outline x

rkyr

- create
  - name : String
  - mobno : long
  - cost : double
  - dis : double
  - amount : double
  - create()
  - input() : void
  - calculate() : void
  - display() : void
  - main(String[]) : void

Problems Javadoc Declaration Console x

<terminated> create [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

Enter customer name: rasika  
Enter mobile number: 5434518765  
Enter the cost of purchased items: 67539

Customer Name: rasika  
Mobile Number: 5434518765  
Amount to be paid after discount: 54031.2

```

1 package Bankaccount;
2
3 public class BankAccountTest {
4     public static void main(String[] args) {
5         // Create a CheckingAccount object with an initial balance of 1000
6         CheckingAccount myAccount = new CheckingAccount(1000.0);
7
8         // Call deposit method
9         myAccount.deposit(500.0); // Deposit 500
10        System.out.println("Current Balance: " + myAccount.getBalance());
11
12        // Call withdraw method
13        myAccount.withdraw(300.0); // Withdraw 300
14        System.out.println("Current Balance: " + myAccount.getBalance());
15
16        // Try to withdraw an amount larger than the balance
17        myAccount.withdraw(1500.0); // Insufficient funds
18    }
19
20
21

```

```

Bankaccount
└─ BankAccountTest
    └─ main(String[]): void

```

```

<terminated> BankAccountTest [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jre\bin\java.exe
Deposited: 500.0
Current Balance: 1500.0
Withdrawn: 300.0
Current Balance: 1200.0
Insufficient funds to withdraw 1500.0

```



Perimeter.java x

```
1 package person;
2
3 class Perimeter {
4
5     // Method to calculate the perimeter of a square
6     public double calculatePerimeter1(double side) {
7         return 4 * side; // Perimeter of square = 4 * side
8     }
9
10    // Method to calculate the perimeter of a rectangle
11    public double calculatePerimeter(double length, double breadth) {
12        return 2 * (length + breadth); // Perimeter of rectangle = 2 * (length + breadth)
13    }
14
15    // Method to calculate the perimeter of a circle (using Math.PI for better precision)
16    public double calculatePerimeter(double radius) {
17        return 2 * Math.PI * radius; // Perimeter of circle = 2 * π * radius
18    }
19
20    // Main method to test the function overloading
21    public static void main(String[] args) {
22        // Create an object of Perimeter class
23        Perimeter perimeterCalculator = new Perimeter();
24
25        // Calculate and display the perimeter of a square with side 5
26        double squarePerimeter = perimeterCalculator.calculatePerimeter1(5.0);
27        System.out.println("Perimeter of the square: " + squarePerimeter);
28
29        // Calculate and display the perimeter of a rectangle with length 6 and breadth 4
30        double rectanglePerimeter = perimeterCalculator.calculatePerimeter(6.0, 4.0);
31        System.out.println("Perimeter of the rectangle: " + rectanglePerimeter);
32    }
33 }
```

Outline x

- person
  - Perimeter
    - calculatePerimeter1(double) : double
    - calculatePerimeter(double, double) : double
    - calculatePerimeter(double) : double
    - main(String[]) : void

@ Javadoc Declaration Console x

```
<terminated> Perimeter [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_2
Perimeter of the square: 20.0
Perimeter of the rectangle: 20.0
Perimeter of the circle: 28.0
```

Writable

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IN14:52  
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