



Package Explorer

- lib
- project
 - JRE System Library [javaSE-21]
 - src
 - lab5
 - BankAccount.java
 - package-info.java
 - UserManager.java
 - lab6
 - Employee.java
 - Main.java
 - package-info.java
 - package-man.java
 - ShowRoom.java
 - Student.java
 - StudentInfo.java
 - lab7
 - ibhanya.java
 - Main.java
 - MedicalStaff.java
 - meena.java
 - package-info.java
 - Vehicle.java

```

1 package lab6;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         // Create faculty object
7         Faculty faculty = new Faculty("Gusen", 543, "ECE", "DSO", 5);
8
9         // Call overridden display() method
10        faculty.display();
11    }
12
13 }
14
15 }
16
17

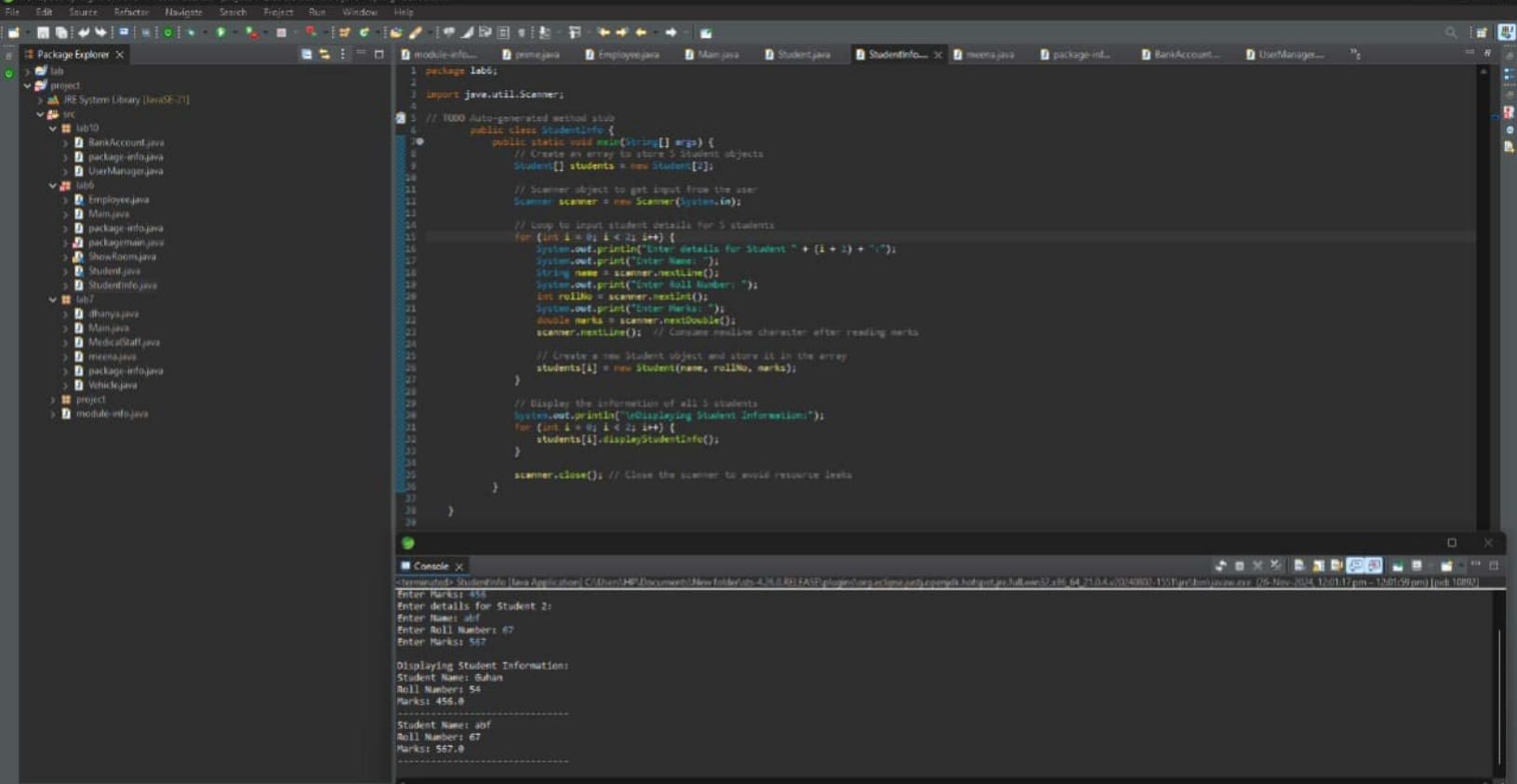
```

Console

```

C:\Users\Bhanu\Documents\New folder\ds-4.26.0.RELEASE\plugins\org.eclipse.jdt.ui\overlook\https://eclipse.org/full/win32-x86_64-21.0.4-20240803-1551\win32\java.exe [26-Nov-2024, 12:00:23 pm - 12:00:27 pm] [pid: 10100]
Employee Information:
Name: Gusen
ID: 543
Department: ECE
Faculty Information:
Subject: DSO
Experience (years): 5

```



IDE interface showing a Java project named "ShowRoom" in the Package Explorer. The project structure includes a "src" folder with sub-packages "lab50", "lab6", "lab7", and "project". The "lab50" package contains files like BankAccount.java, package-info.java, and UserManager.java. The "lab6" package contains Employee.java, Main.java, package-info.java, package-manifest.java, ShowRoom.java, Student.java, and StudentInfo.java. The "lab7" package contains iBank.java, Main.java, MedicalStaff.java, meena.java, package-info.java, and Vehicle.java. The "project" package contains module-info.java.

The main editor displays the code for `ShowRoom.java`. The code includes a `main` method, a `void input()` method for taking user input, a `void calculate()` method for calculating discounts, and a `void display()` method for showing results.

```
1 module-info {
2
3 }
4
5 // Main method
6 public static void main(String[] args) {
7     amount = 0.0;
8
9     // Method to input customer name, mobile number, and cost
10    void input() {
11        Scanner sc = new Scanner(System.in);
12
13        System.out.print("Enter customer name: ");
14        name = sc.nextLine();
15
16        System.out.print("Enter mobile number: ");
17        mobile = sc.nextLong();
18
19        System.out.print("Enter the cost of purchased items: ");
20        cost = sc.nextDouble();
21    }
22
23    // Method to calculate discount and final amount
24    void calculate() {
25        // Calculate discount based on cost
26        if (cost <= 10000) {
27            dis = 5.0;
28        } else if (cost > 10000 && cost <= 20000) {
29            dis = 10.0;
30        } else if (cost > 20000 && cost <= 35000) {
31            dis = 15.0;
32        } else {
33            dis = 20.0;
34        }
35
36        // Calculate the discount amount
37        double discountAmount = (cost * dis) / 100;
38        amount = cost - discountAmount;
39    }
40
41    // Method to display the customer details and amount to be paid
42    void display() {
43        System.out.println("Customer Name: " + name);
44        System.out.println("Mobile Number: " + mobile);
45    }
46 }
```

The Console window shows the output of the program:

```
Enter customer name: Guhan
Enter mobile number: 2345677854
Enter the cost of purchased items: 5000

Customer Name: Guhan
Mobile Number: 2345677854
Cost of Items Purchased: Rs. 5000.0
Discount: 5.0%
Amount to be paid after discount: Rs. 4750.0
```

