

Error Log Entry

What error message did you encounter (if any)?

I didn't have any messages come into the code itself but I did have problem with the result of this program

What unexpected behavior did your program exhibit?

When the user entered 0, the program was supposed to just end. However, instead of that my program display the message "your car is not defective" and did not end the program

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

It was a logic error: instead of checking if the input was 0 or not- it checked for the defectiveness before it checked if 0 was entered. So instead of going through the statenemnts for when 0 is entered, it went through the conditions for car model number first

Include a screenshot of specific lines of code.

```
Enter your car model (Enter 0 to quit): 23
Your car is not defective
Enter your car model (Enter 0 to quit): 246
Your car is not defective
Enter your car model (Enter 0 to quit): 0
Your car is not defective
```

```
int carmodel;

do {
    System.out.print("Enter your car model (Enter 0 to quit): ");
    carmodel = input.nextInt();

    if (carmodel == 119 || carmodel == 179 || carmodel == 189 || carmodel == 195 || carmodel == 221 || carmodel == 780) {
        // If the car model matches any defective model, print this message
        System.out.println("Your car is defective! It must be repaired.");
    } else {
        // If the car model does not match any defective model, print this message
        System.out.println("Your car is not defective");
    }
} while (carmodel != 0); {
    input.close();
}
```

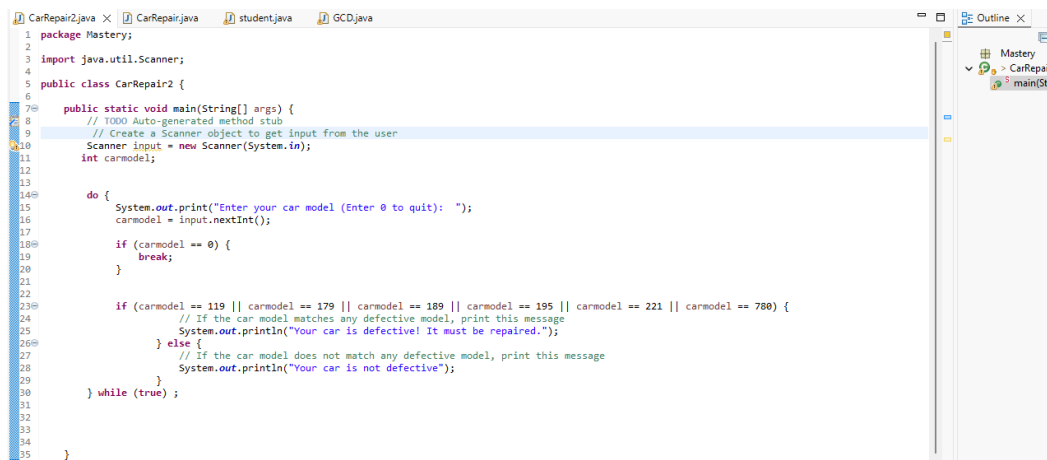
Provide the corrected code or solution using a screenshot.

```
do {
    System.out.print("Enter your car model (Enter 0 to quit): ");
    carmodel = input.nextInt();

    if (carmodel == 0) {
        break;
    }

    if (carmodel == 119 || carmodel == 179 || carmodel == 189 || carmodel == 195 || carmodel == 221 || carmodel == 780) {
        // If the car model matches any defective model, print this message
        System.out.println("Your car is defective! It must be repaired.");
    } else {
        // If the car model does not match any defective model, print this message
        System.out.println("Your car is not defective");
    }
} while (true);
```

MY FULL CODE:



```
1 package Mastery;
2
3 import java.util.Scanner;
4
5 public class CarRepair2 {
6
7     public static void main(String[] args) {
8         // TODO Auto-generated method stub
9         // Create a Scanner object to get input from the user
10        Scanner input = new Scanner(System.in);
11        int carmodel;
12
13
14        do {
15            System.out.print("Enter your car model (Enter 0 to quit): ");
16            carmodel = input.nextInt();
17
18            if (carmodel == 0) {
19                break;
20            }
21
22            if (carmodel == 119 || carmodel == 179 || carmodel == 189 || carmodel == 195 || carmodel == 221 || carmodel == 780) {
23                // If the car model matches any defective model, print this message
24                System.out.println("Your car is defective! It must be repaired.");
25            } else {
26                // If the car model does not match any defective model, print this message
27                System.out.println("Your car is not defective");
28            }
29        } while (true);
30
31    }
32
33
34
35 }
```

```
36  
37 }  
38  
Servers Terminal Data Source Explorer Properties Console X Git Staging  
<terminated> CarRepair2 [Java Application] C:\Program Files\Eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.7.v20230502-0916\jre\bin\javaw.exe (Nov 13, 2023, 10:02:42 AM - 10:03:01 AM elapsed: 0:00:19.001) [pid: 3  
Enter your car model (Enter 0 to quit): 324  
Your car is not defective  
Enter your car model (Enter 0 to quit): 179  
Your car is defective! It must be repaired.  
Enter your car model (Enter 0 to quit): 0  
|
```