

Lesson 01 Demo 04

Implementing If-else Statement

Objective: To implement the if-else conditional statement in Java

Tools required: Eclipse IDE

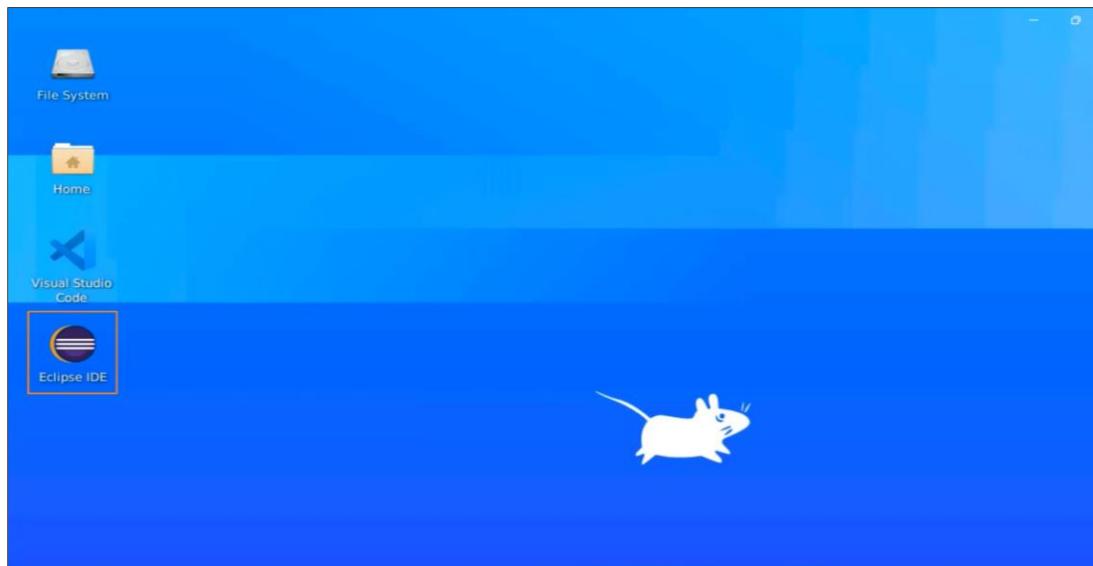
Prerequisites: None

Steps to be followed:

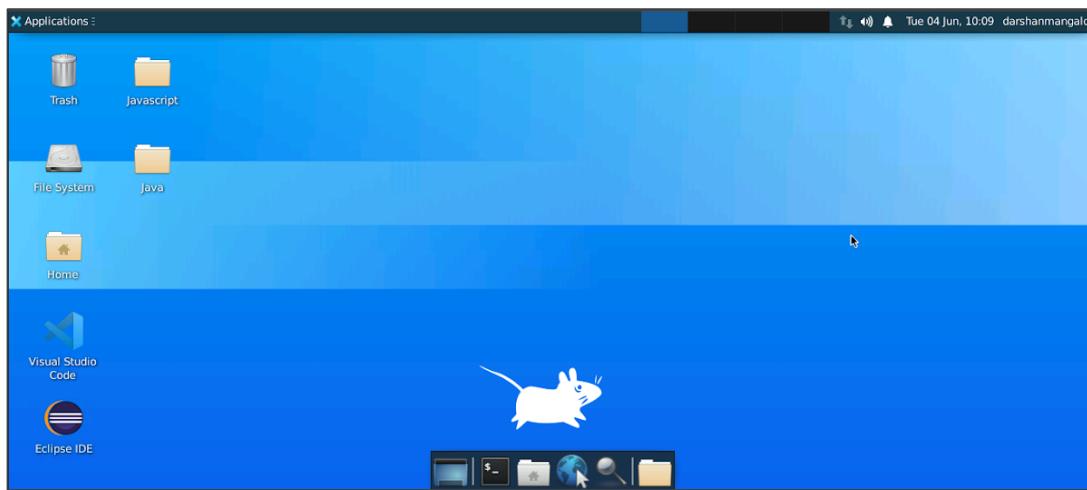
1. Create a folder on the Eclipse IDE
2. Create a program to implement if-else statements in Java

Step 1: Create a folder on the Eclipse IDE

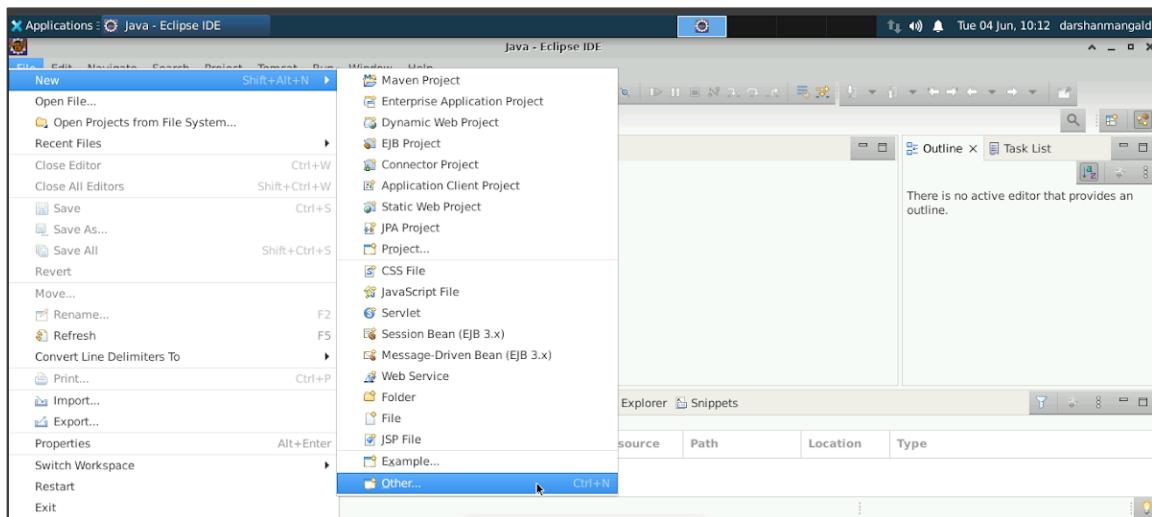
1.1 Open the Eclipse IDE



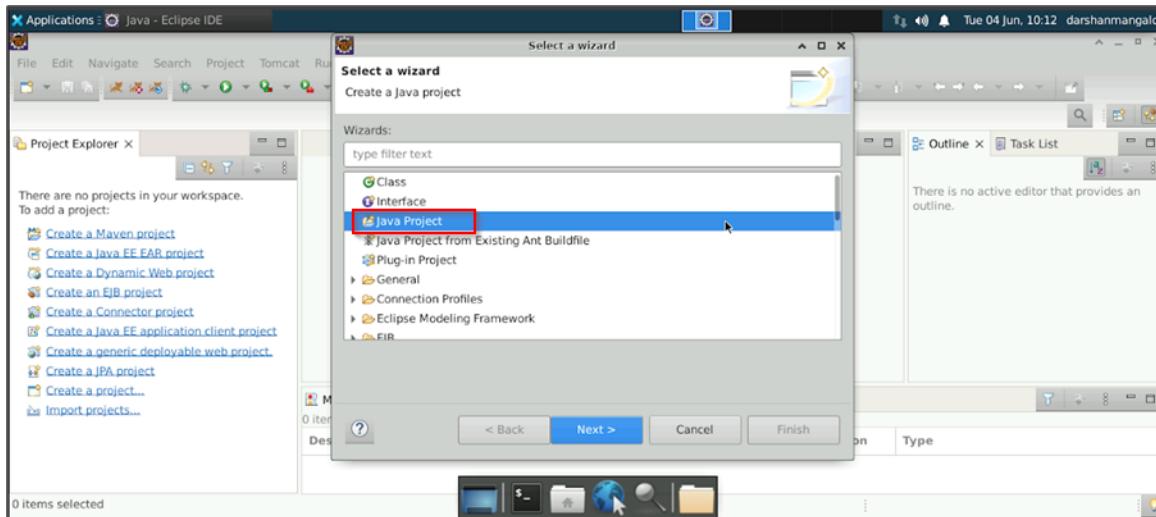
1.2. Create a folder on the desktop with any name of your choice let us say “**Java**” and open this folder with the **Eclipse IDE**



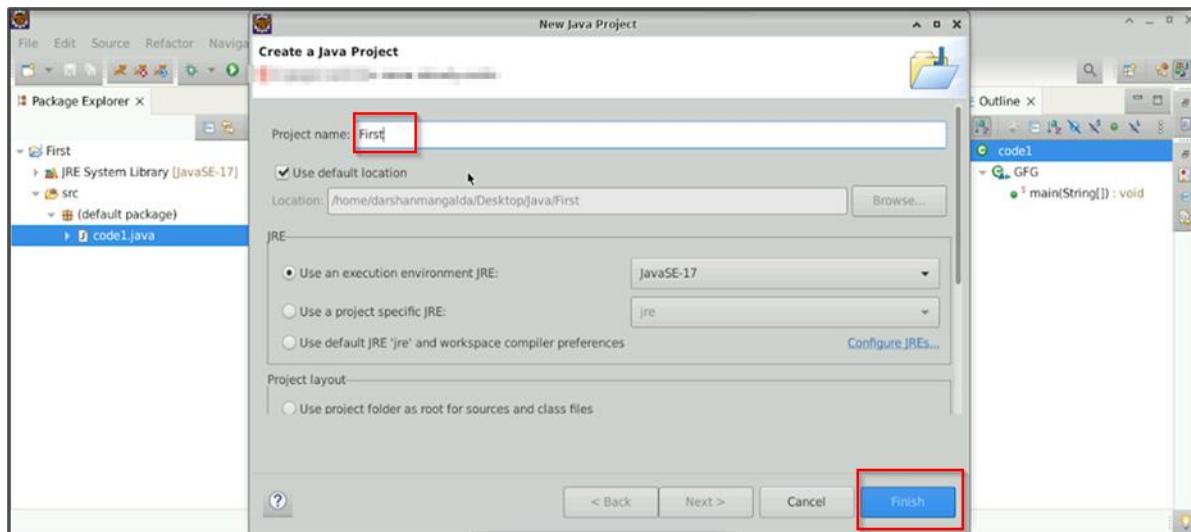
1.3. Select **File**, then click on **Other**



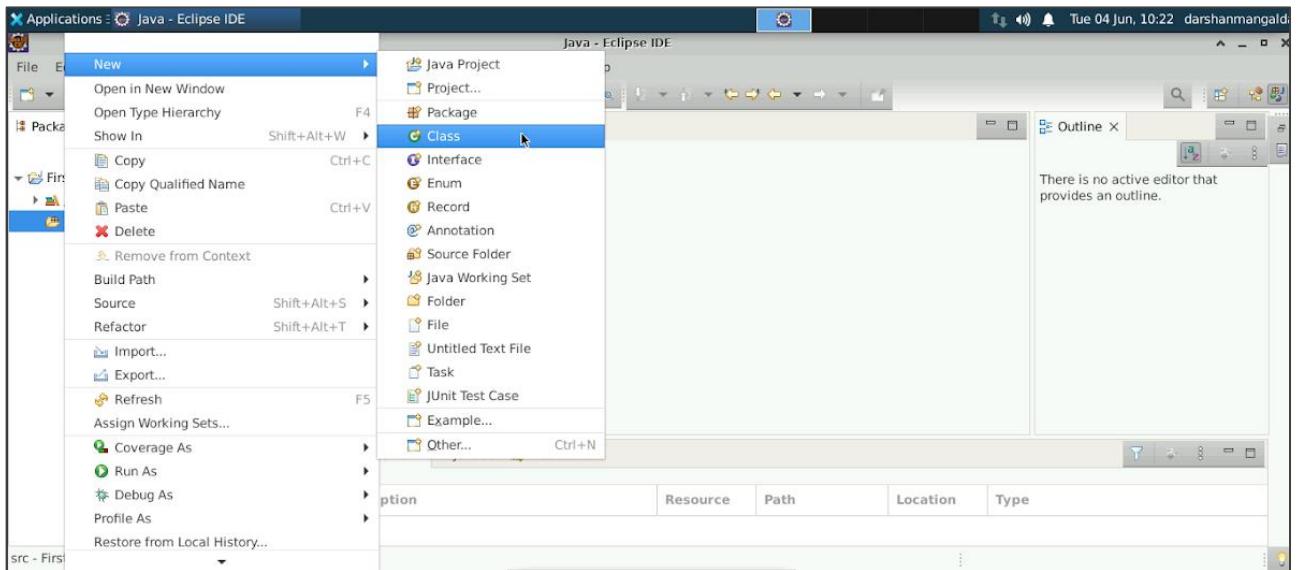
1.4 Select Java Project in the Select a Wizard tab



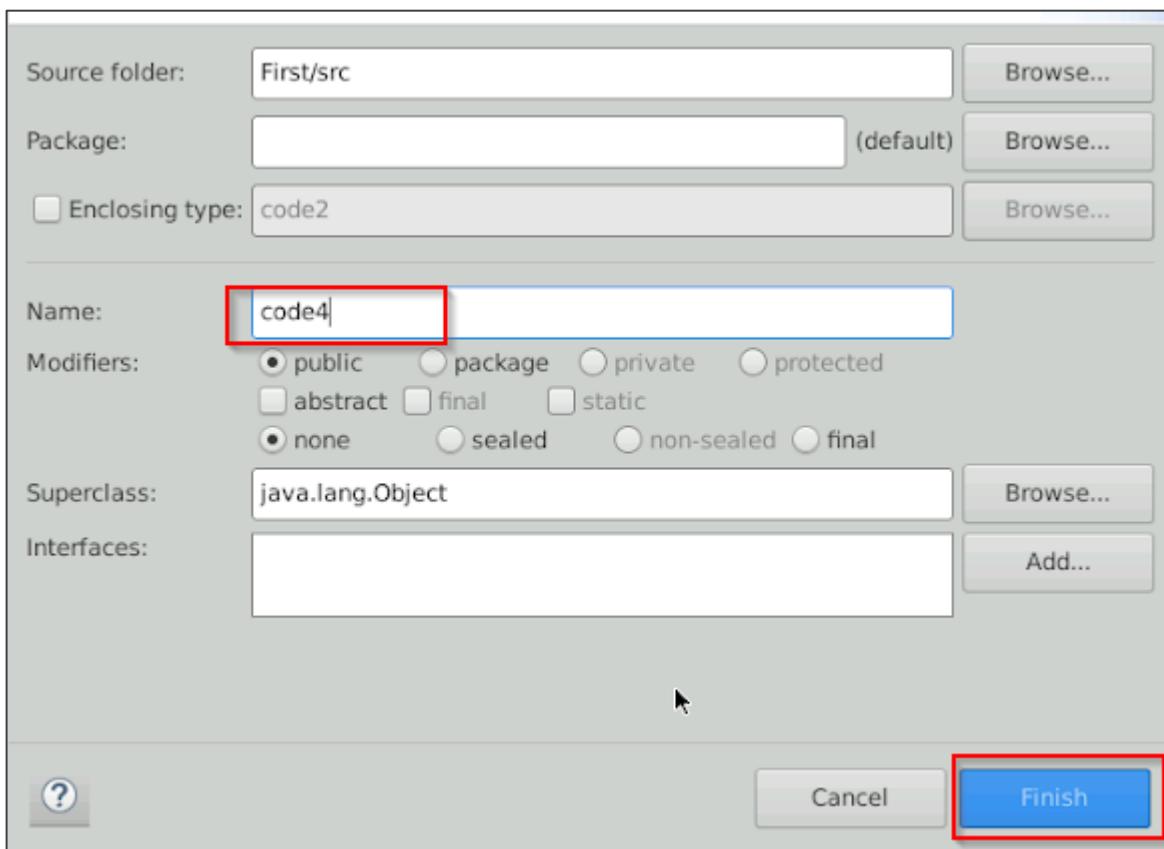
1.5 Name the Java Project as First in the Project name field and click on Finish Button



1.6 Right Src folder, select New, and click on the class option

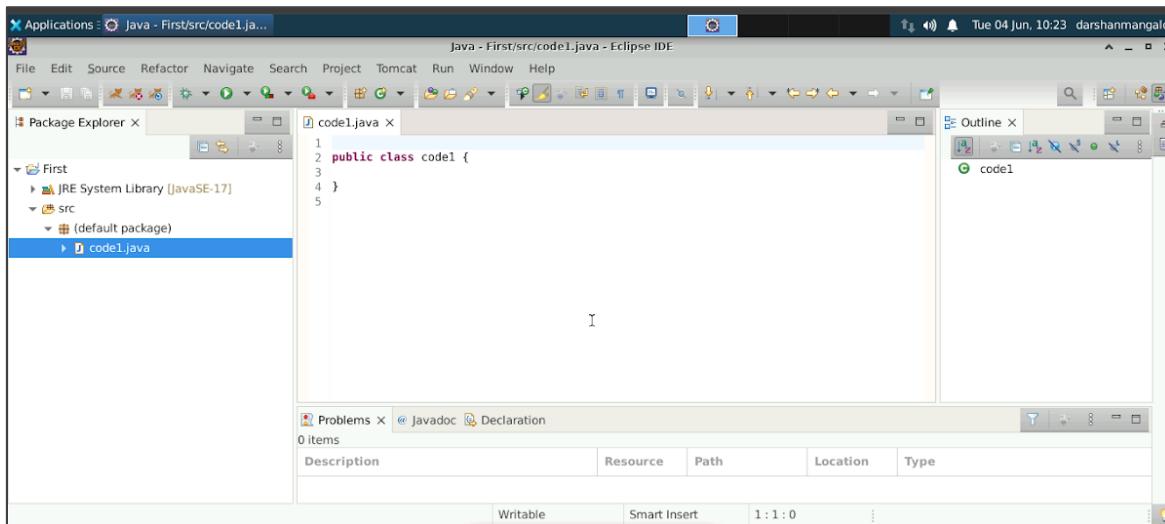


1.7 Enter the name in the Java class as **code4**, make sure the public option is checked, and click on **Finish** Button



Step 2: Create a program for implementing the if-else statements in Java

2.1 The Java file will open and appear as shown below:



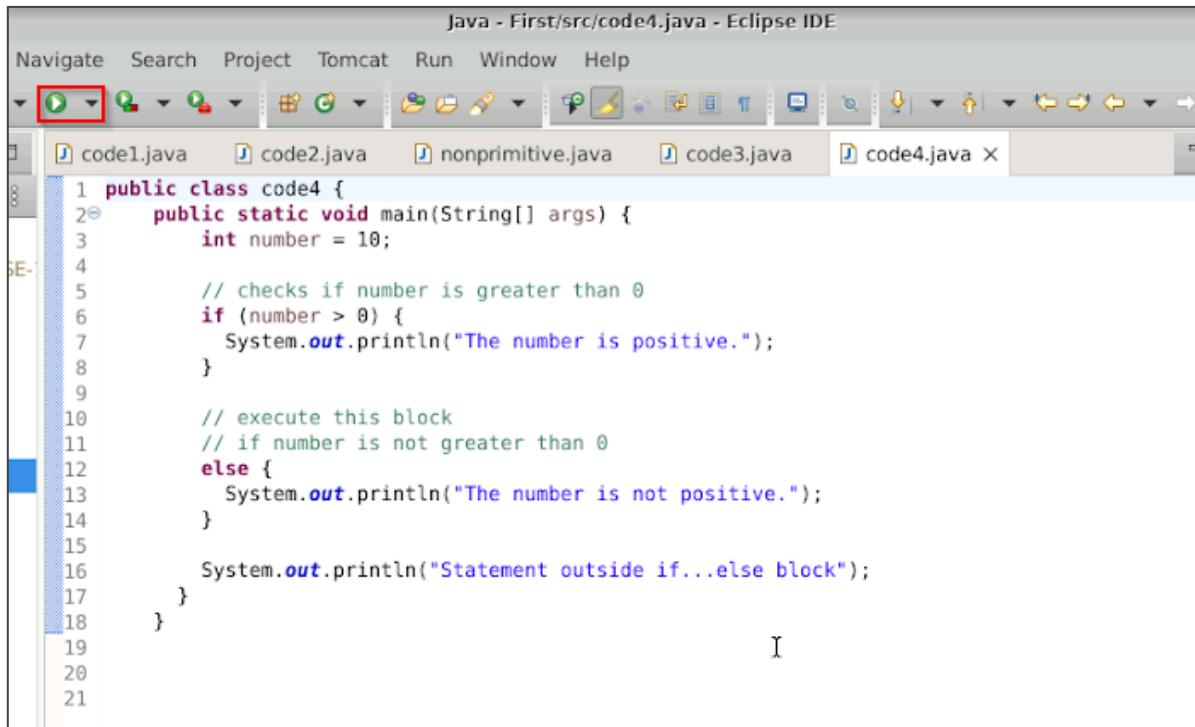
2.2 Enter the code for the if-else statement

A screenshot of the Eclipse IDE interface showing a Java file named "code4.java". The code contains an if-else statement:

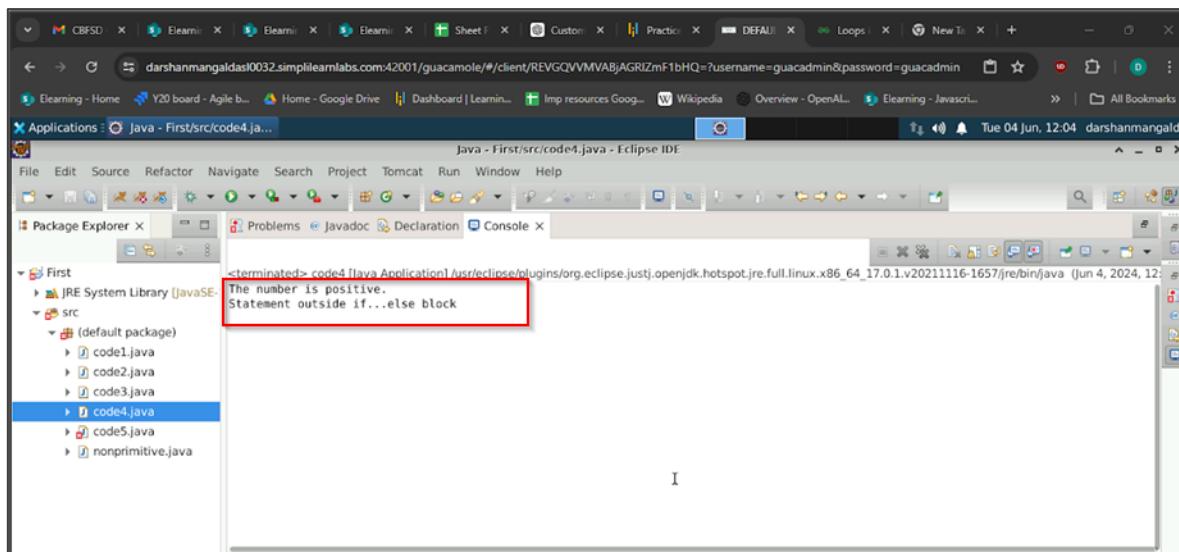
```
1 public class code4 {  
2     public static void main(String[] args) {  
3         int number = 10;  
4  
5         // checks if number is greater than 0  
6         if (number > 0) {  
7             System.out.println("The number is positive.");  
8         }  
9  
10        // execute this block  
11        // if number is not greater than 0  
12        else {  
13            System.out.println("The number is not positive.");  
14        }  
15  
16        System.out.println("Statement outside if...else block");  
17    }  
18}  
19  
20
```

A red rectangular box highlights the entire if-else block from line 6 to line 15. The code editor has tabs for code1.java, code2.java, nonprimitive.java, code3.java, and code4.java.

2.3 Click on the **Run** Button to execute the code



The output of the first Java program can be seen in the Console field as shown below:



By following the above steps, you have successfully Implemented the If-else Statement in Java.