

Lesson 01 Demo 03

Implementing Operators in Java

Objective: To Implement the operators in Java program

Tools required: Eclipse IDE

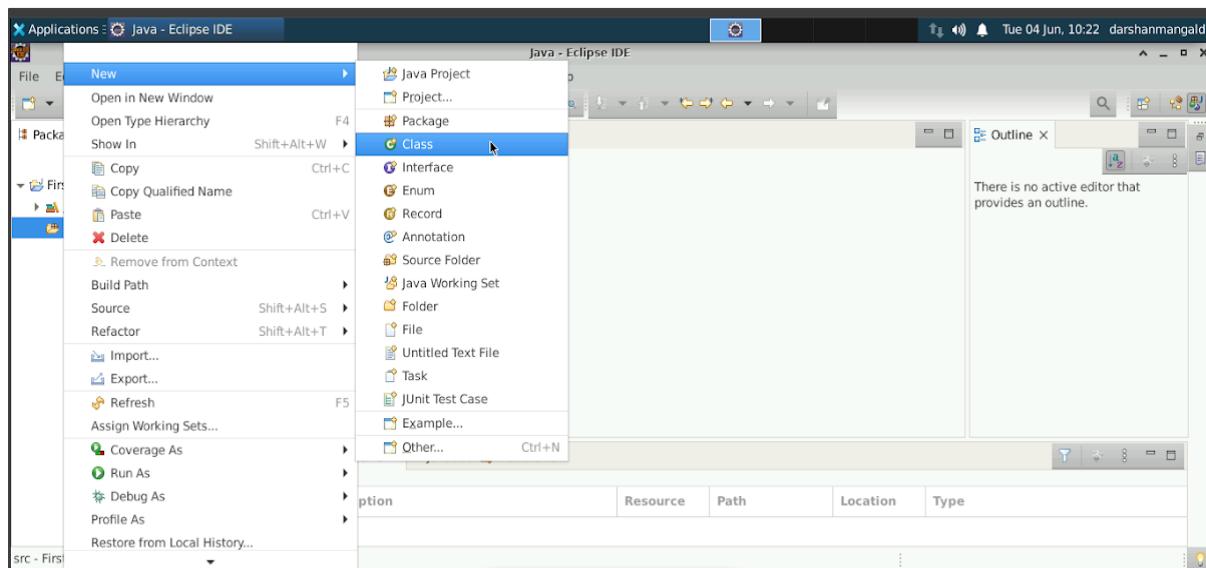
Prerequisites: None

Steps to be followed:

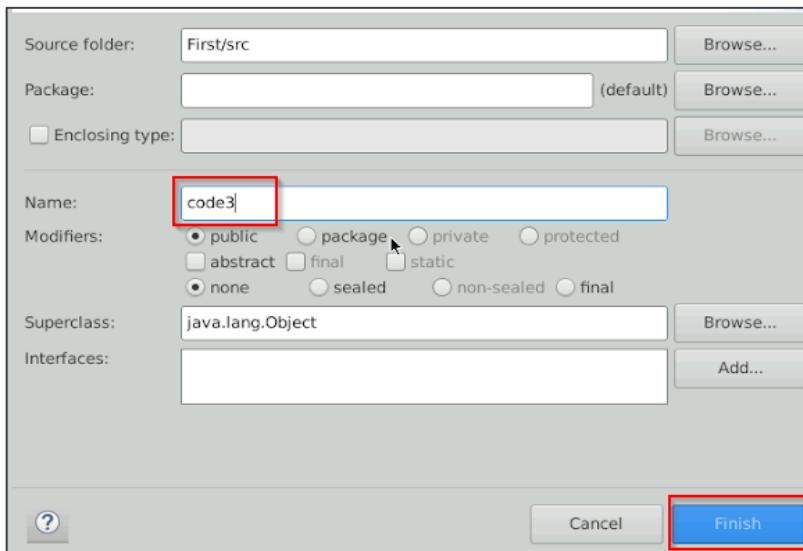
1. Create a new class on the Eclipse IDE
2. Create the program to implement operators in Java

Step 1: Create a folder on the Eclipse IDE

1.1 Right Src folder, select **New**, and click on the **Class** option



1.2 Enter the name in the Java class as **code2**, make sure **the public option is checked**, and click on **Finish Button**



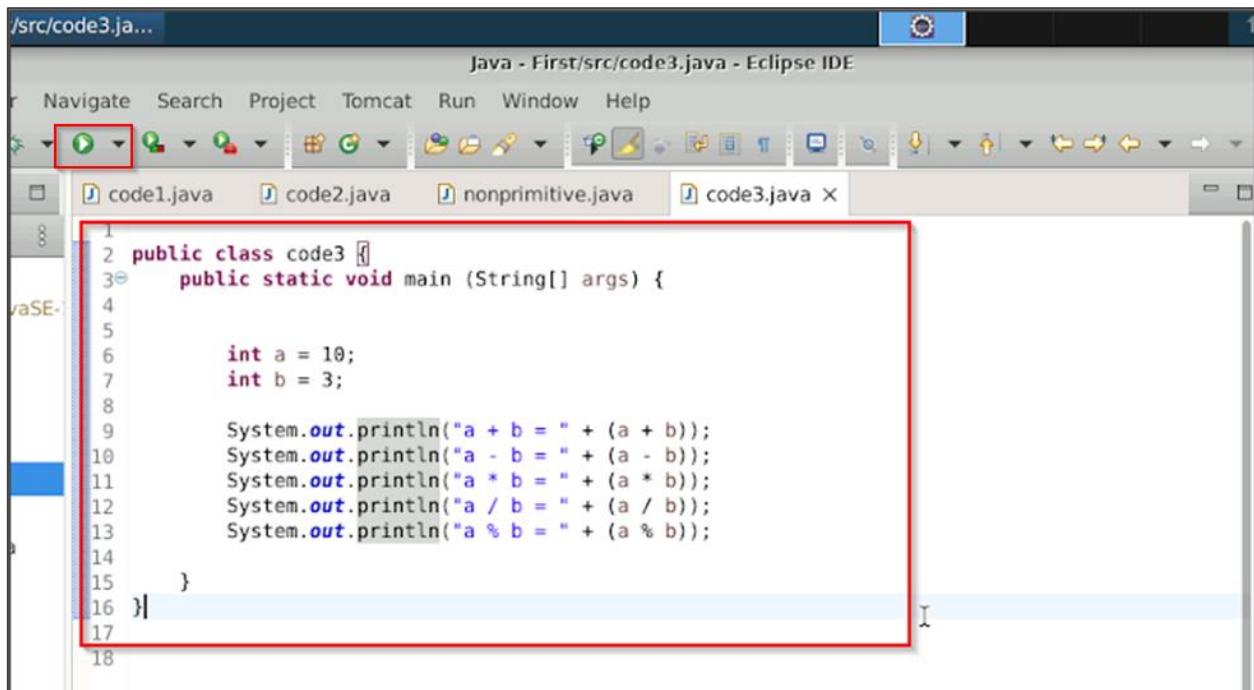
Step 2: Create the program to implement operators in Java

2.1 Enter the code for the implementation of the operators

```
1 public class code3 {
2     public static void main (String[] args) {
3
4
5         int a = 10;
6         int b = 3;
7
8         System.out.println("a + b = " + (a + b));
9         System.out.println("a - b = " + (a - b));
10        System.out.println("a * b = " + (a * b));
11        System.out.println("a / b = " + (a / b));
12        System.out.println("a % b = " + (a % b));
13
14    }
15 }
16
17
18
```

The screenshot shows the Eclipse IDE code editor with the file 'code3.java' open. The code implements basic arithmetic operations using the System.out.println method. The entire code block is highlighted with a red box.

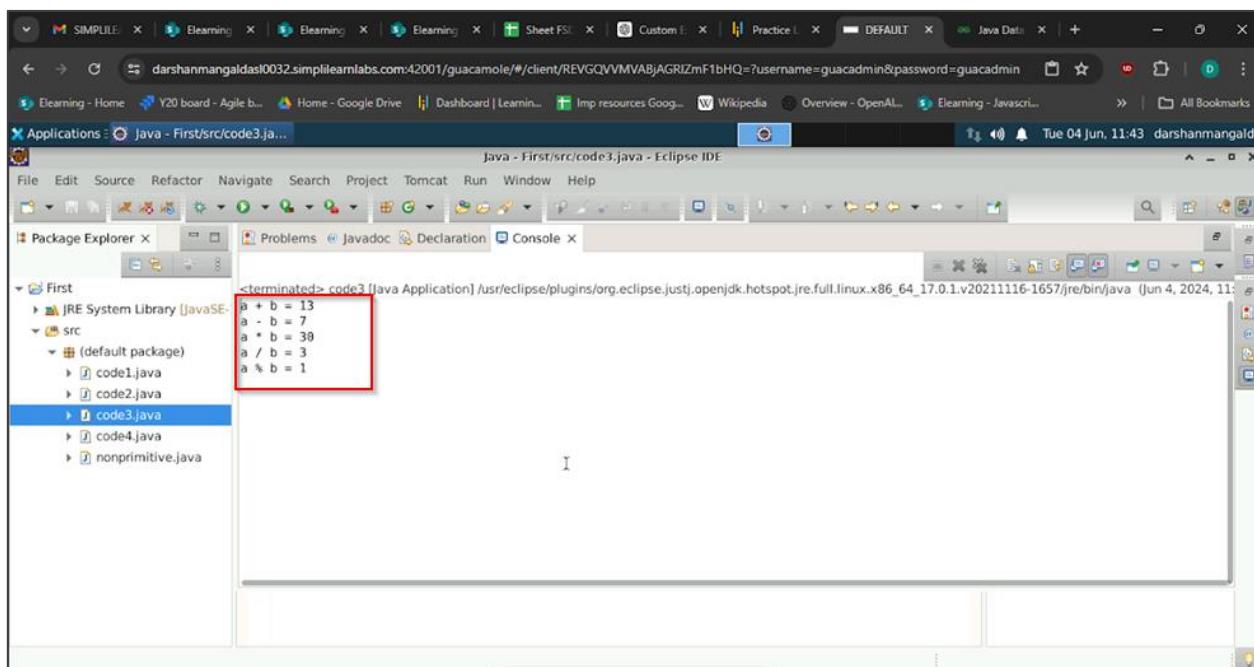
2.2 Click on the **Run** button to execute the code



The screenshot shows the Eclipse IDE interface with the title bar "Java - First/src/code3.java - Eclipse IDE". The toolbar has a red box around the "Run" button icon. The editor tab bar shows "code1.java", "code2.java", "nonprimitive.java", and "code3.java X". The code editor contains the following Java code:

```
1 public class code3 {
2     public static void main (String[] args) {
3
4         int a = 10;
5         int b = 3;
6
7         System.out.println("a + b = " + (a + b));
8         System.out.println("a - b = " + (a - b));
9         System.out.println("a * b = " + (a * b));
10        System.out.println("a / b = " + (a / b));
11        System.out.println("a % b = " + (a % b));
12    }
13
14 }
15
16 }
17
18 }
```

The output of the code will be as below:



The screenshot shows the Eclipse IDE interface with the title bar "Java - First/src/code3.java - Eclipse IDE". The toolbar has a red box around the "Run" button icon. The editor tab bar shows "code1.java", "code2.java", "nonprimitive.java", and "code3.java X". The code editor contains the same Java code as above. The output is displayed in the Console view, with a red box highlighting the printed results:

```
<terminated> code3 [Java Application] /usr/eclipse/plugins/org.eclipse.jdt.openjdk.hotspot.jre.full.linux.x86_64_17.0.1.v20211116-1657/jre/bin/java (Jun 4, 2024, 11:11:11)
a + b = 13
a - b = 7
a * b = 30
a / b = 3
a % b = 1
```

By following the above steps, you have successfully implemented the operators in the Java program.