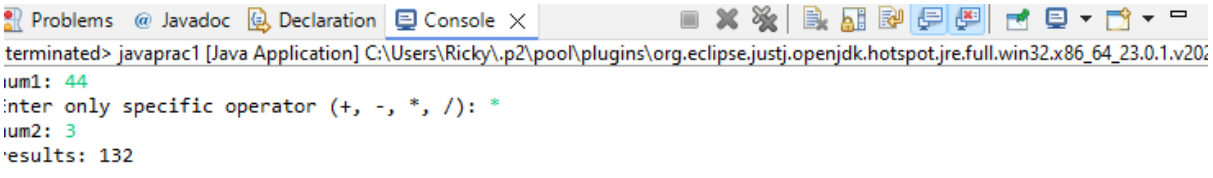
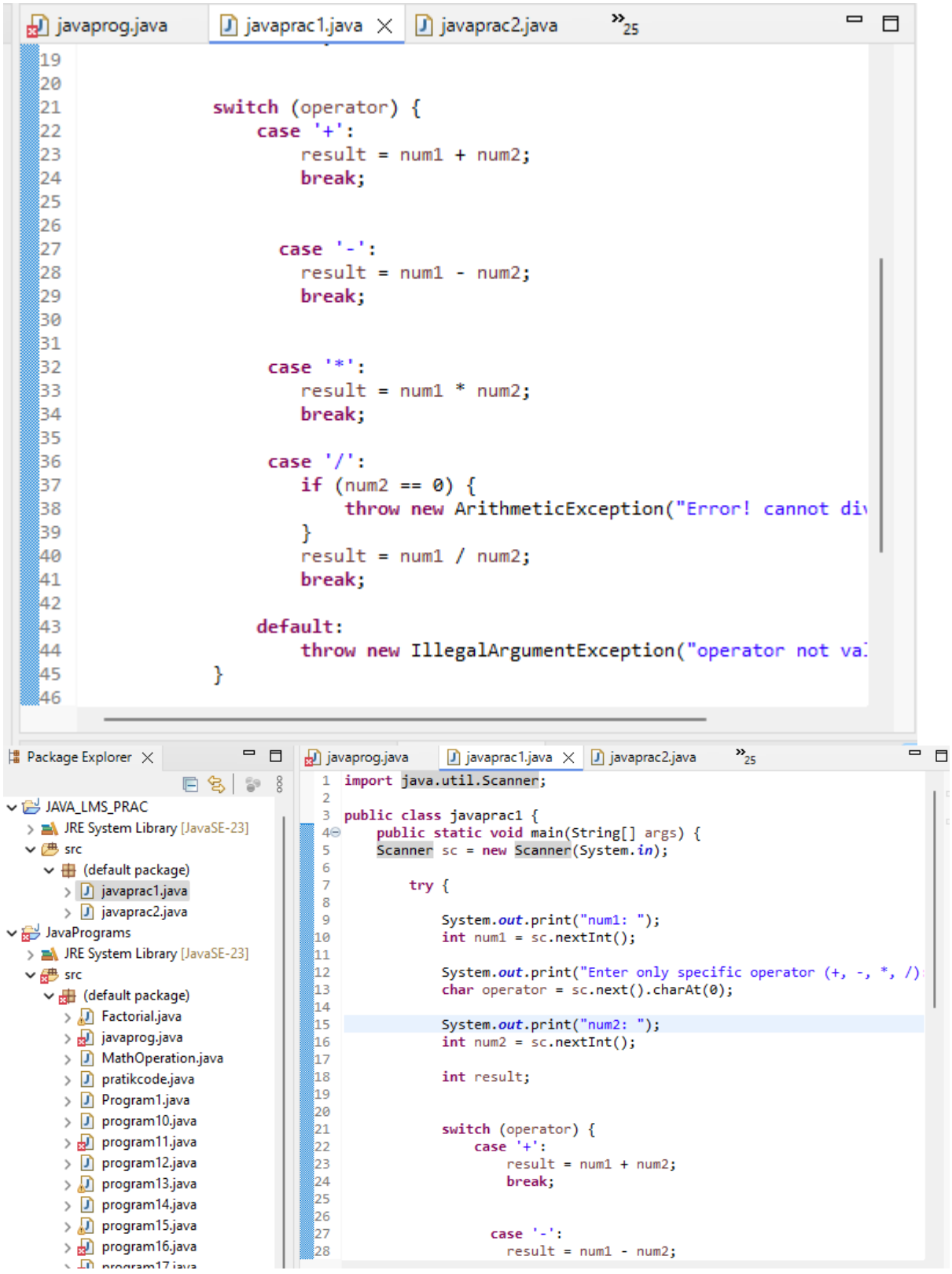
JAVA PRACTICAL LAB 1

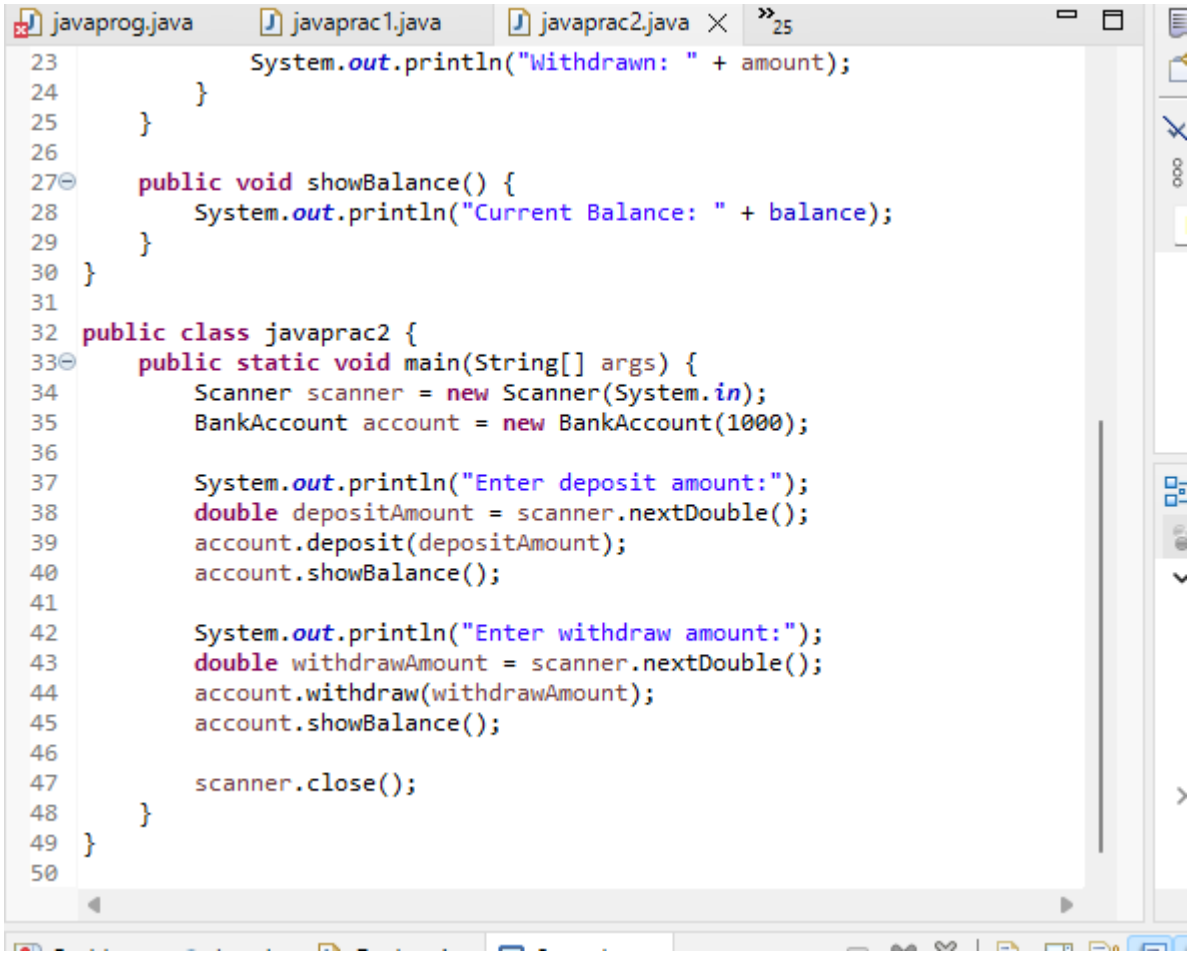





```java
import java.util.Scanner;

public class javaprac1 {
	public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
```

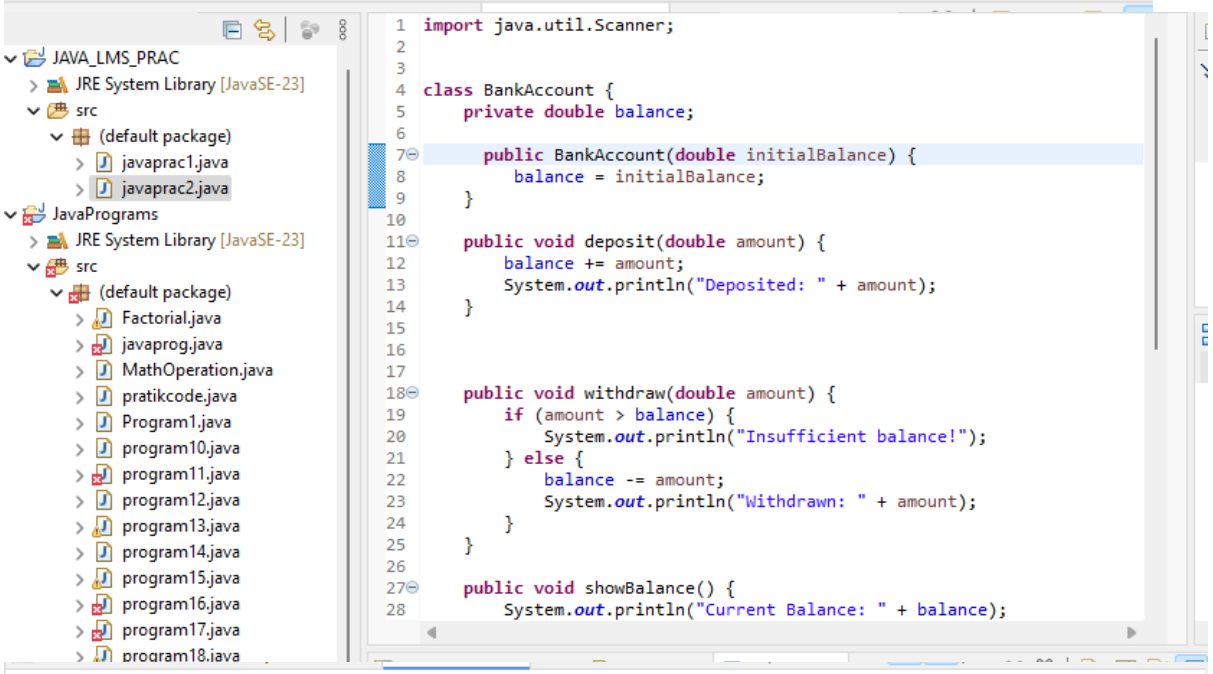
```
        try {

            System.out.print("num1: ");
            int num1 = sc.nextInt();

            System.out.print("Enter only specific operator (+, -, *, /): ");
            char operator = sc.next().charAt(0);

            System.out.print("num2: ");
            int num2 = sc.nextInt();

            int result;


            switch (operator) {
                case '+':
                    result = num1 + num2;
                    break;


                 case '-':
                    result = num1 - num2;
                    break;


                case '*':
                    result = num1 * num2;
                    break;

                case '/':
                    if (num2 == 0) {
                        throw new ArithmeticException("Error! cannot divide by
zero");
                    }
                    result = num1 / num2;
                    break;

                default:
                    throw new IllegalArgumentException("operator not valid");
            }



            System.out.println("results: " + result);

        } catch (Exception e) {
            System.out.println("error: " + e.getMessage());
        } finally {
            sc.close();
        }
    }
}
```

JAVA PRACTICAL LAB 2


javaprog.java
javaprac1.java
javaprac2.java
25
System.out.println("Withdrawn: " + amount);
}
}
public void showBalance() {
System.out.println("Current Balance: " + balance);
}
}
public class javaprac2 {
public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);
BankAccount account = new BankAccount(1000);
System.out.println("Enter deposit amount:");
double depositAmount = scanner.nextDouble();
account.deposit(depositAmount);
account.showBalance();
System.out.println("Enter withdraw amount:");
double withdrawAmount = scanner.nextDouble();
account.withdraw(withdrawAmount);
account.showBalance();
scanner.close();
}
}

javaprog.java | javaprac1.java | javaprac2.java

```
17
18      public void withdraw(double amount) {
19          if (amount > balance) {
20              System.out.println("Insufficient balance!");
21          } else {
22              balance -= amount;
23              System.out.println("Withdrawn: " + amount);
24          }
25      }
26
27      public void showBalance() {
28          System.out.println("Current Balance: " + balance);
29      }
30  }
31
32  public class javaprac2 {
33      public static void main(String[] args) {
34          Scanner scanner = new Scanner(System.in);
35          BankAccount account = new BankAccount(1000);
36
37          System.out.println("Enter deposit amount:");
38          double depositAmount = scanner.nextDouble();
39          account.deposit(depositAmount);
40          account.showBalance();
41
42          System.out.println("Enter withdraw amount:");
43          double withdrawAmount = scanner.nextDouble();
44          account.withdraw(withdrawAmount);
```




```
1   import java.util.Scanner;
2
3
4   class BankAccount {
5       private double balance;
6
7         public BankAccount(double initialBalance) {
8             balance = initialBalance;
9       }
10
11      public void deposit(double amount) {
12          balance += amount;
13          System.out.println("Deposited: " + amount);
14      }
15
16
17
18      public void withdraw(double amount) {
19          if (amount > balance) {
20              System.out.println("Insufficient balance!");
21          } else {
22              balance -= amount;
23              System.out.println("Withdrawn: " + amount);
24          }
25      }
26
27      public void showBalance() {
28          System.out.println("Current Balance: " + balance);
```

```
<terminated> javaprac2 [Java Application] C:\Users\Ricky\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.1.v202410
Current Balance: 20999.0
Enter withdraw amount:
7777
Withdrawn: 7777.0
Current Balance: 13222.0
```

```
javaprac2 [Java Application] C:\Users\Ricky\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.1.v2024
Enter deposit amount:
19999
Deposited: 19999.0
Current Balance: 20999.0
Enter withdraw amount:
```

```java
import java.util.Scanner;


class BankAccount {
       private double balance;

      public BankAccount(double initialBalance) {
         balance = initialBalance;
    }

    public void deposit(double amount) {
        balance += amount;
        System.out.println("Deposited: " + amount);
    }



    public void withdraw(double amount) {
        if (amount > balance) {
            System.out.println("Insufficient balance!");
        } else {
            balance -= amount;
            System.out.println("Withdrawn: " + amount);
        }
    }

    public void showBalance() {
        System.out.println("Current Balance: " + balance);
    }
}

public class javaprac2 {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        BankAccount account = new BankAccount(1000);

        System.out.println("Enter deposit amount:");
        double depositAmount = scanner.nextDouble();
        account.deposit(depositAmount);
        account.showBalance();

        System.out.println("Enter withdraw amount:");
        double withdrawAmount = scanner.nextDouble();
        account.withdraw(withdrawAmount);
        account.showBalance();

        scanner.close();
    }
}
```