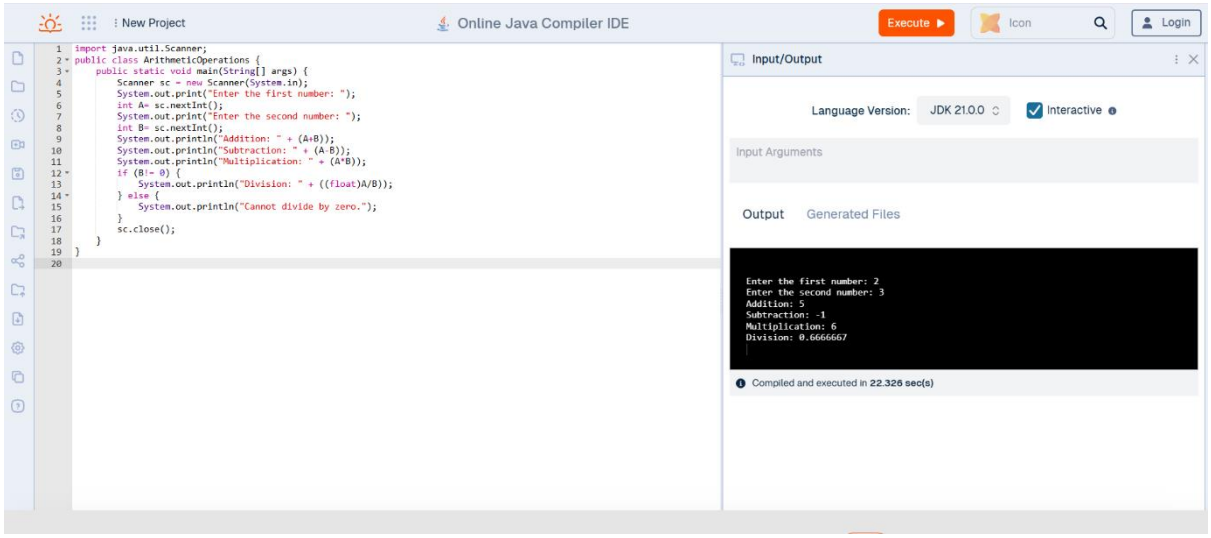
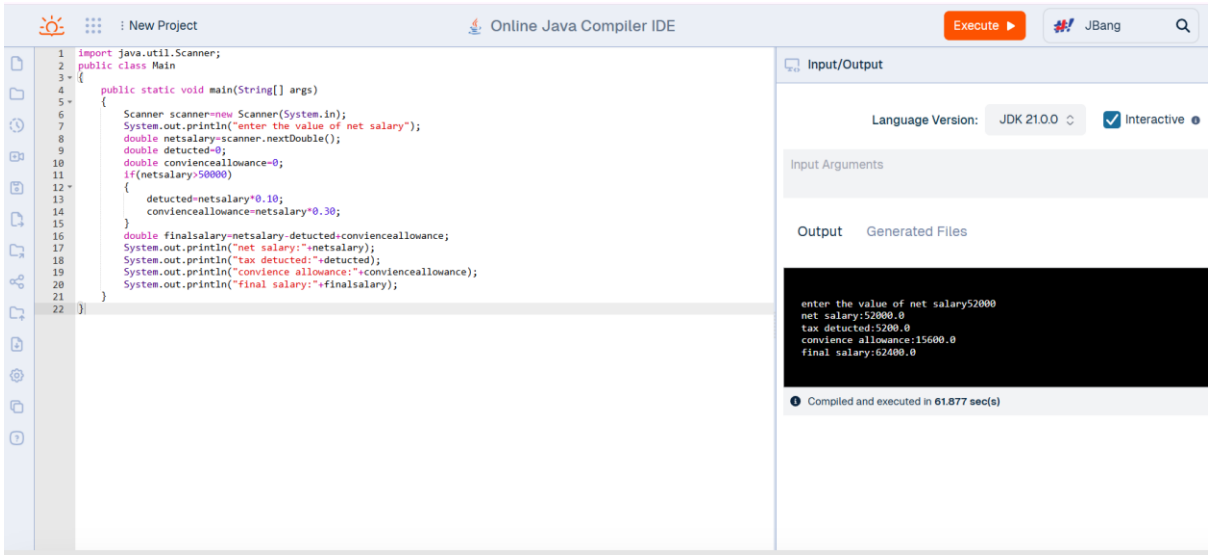
LAB-TEST-02

1)



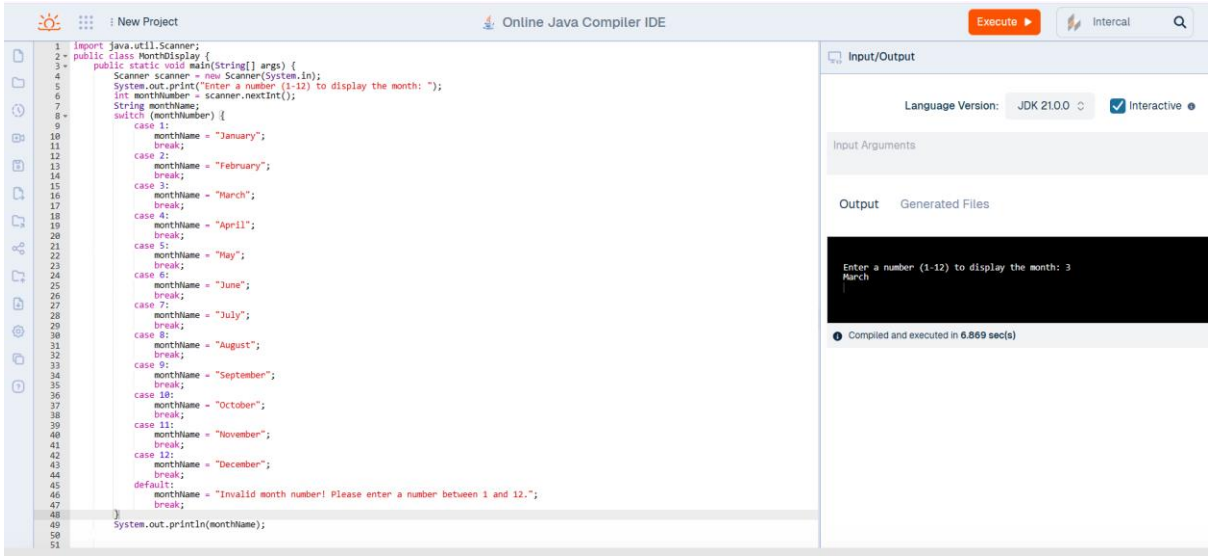
2)



3)

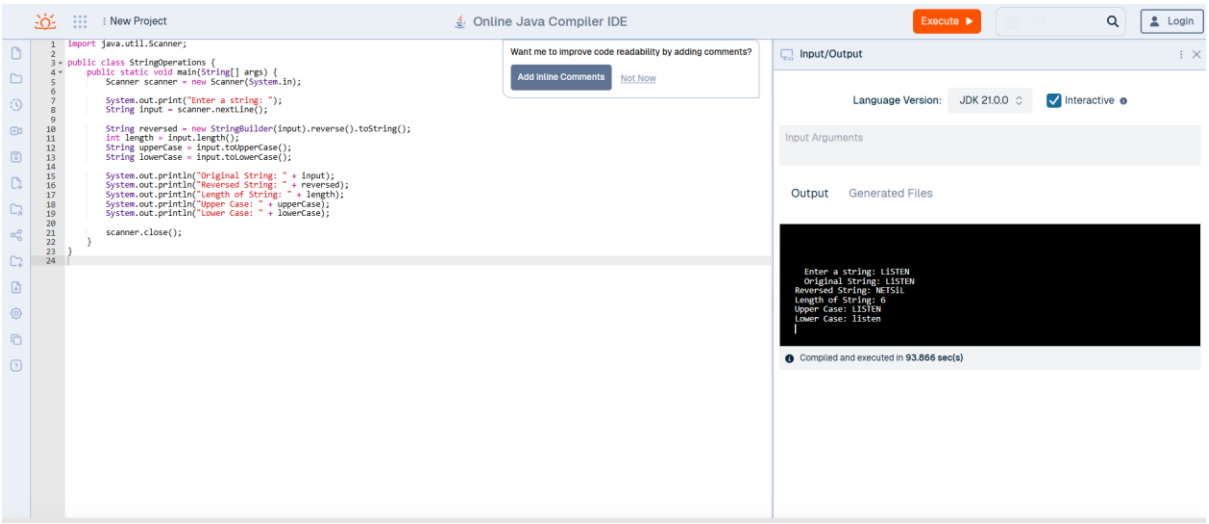

```java
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter P, T, R: ");
        double P = sc.nextDouble(), T = sc.nextDouble(), R = sc.nextDouble();
        System.out.println("Simple Interest: " + (P * T * R) / 100);
        System.out.print("Enter n: ");
        int n = sc.nextInt();
        double compoundAmount = P * Math.pow(1 + (R / 100) / n, n * T);
        System.out.println("Compound Interest: " + (compoundAmount - P));
        System.out.println("Total Amount: " + compoundAmount);
        sc.close();
    }
}
```

4)

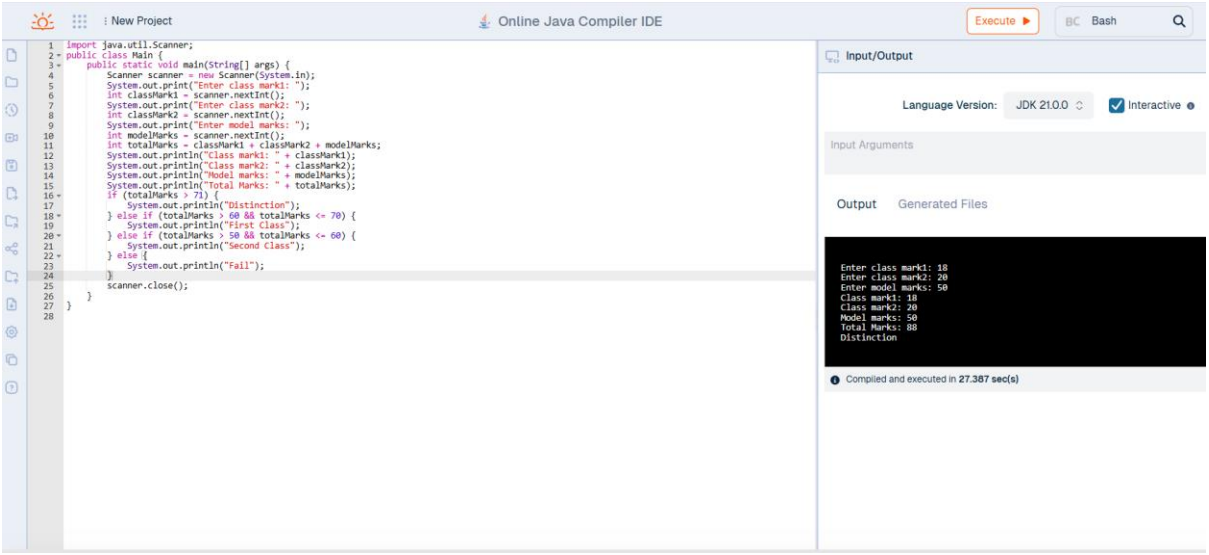



```java
import java.util.Scanner;
public class MonthDisplay {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number (1-12) to display the month: ");
        int monthNumber = scanner.nextInt();
        String monthName;
        switch (monthNumber) {
            case 1:
                monthName = "January";
                break;
            case 2:
                monthName = "February";
                break;
            case 3:
                monthName = "March";
                break;
            case 4:
                monthName = "April";
                break;
            case 5:
                monthName = "May";
                break;
            case 6:
                monthName = "June";
                break;
            case 7:
                monthName = "July";
                break;
            case 8:
                monthName = "August";
                break;
            case 9:
                monthName = "September";
                break;
            case 10:
                monthName = "October";
                break;
            case 11:
                monthName = "November";
                break;
            case 12:
                monthName = "December";
                break;
            default:
                monthName = "Invalid month number! Please enter a number between 1 and 12.";
                break;
        }
        System.out.println(monthName);
```

5)


New Project
Online Java Compiler IDE
Execute
Login
Want me to improve code readability by adding comments?
Add Inline Comments
Not Now
Input/Output
Language Version: JDK 21.0.0
Interactive
Input Arguments
Output
Generated Files
Enter a string: LISTEN
Original String: LISTEN
Reversed String: NETSIL
Length of String: 6
Upper Case: LISTEN
Lower Case: listen
Compiled and executed in 93.866 sec(s)

6)


New Project
Online Java Compiler IDE
Execute
Bash
Input/Output
Language Version: JDK 21.0.0
Interactive
Input Arguments
Output
Generated Files
Enter class mark1: 18
Enter class mark2: 20
Enter model marks: 50
Class mark1: 18
Class mark2: 20
Model marks: 50
Total Marks: 88
Distinction
Compiled and executed in 27.387 sec(s)