studentgrade.java × stringManipulation.java monthSwitch.java CiSi.java arithmaticOpr.java salaryDe

```java
import java.util.Scanner;

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


        int c1, c2, model;

        System.out.print("Enter marks for classtest 1: ");
        c1 = sc.nextInt();
        System.out.print("Enter marks for classtest 2: ");
        c2 = sc.nextInt();
        System.out.print("Enter marks for model: ");
        model = sc.nextInt();

        if (c1 < 50 || c2 < 50 || model < 50) {
            System.out.println("Result: Fail");
        } else if ((c1 >= 50 && c1 <= 59) && (c2 >= 50 && c2 <= 59) && (model >= 50 && model <= 59)) {
            System.out.println("Result: Second Class");
```

Run CiSi × studentgrade ×

```
"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Users\kappa\Downloads\IntelliJ IDEA Community Editi
Enter marks for classtest 1: 50
Enter marks for classtest 2: 56
Enter marks for model: 15
Result: Fail
```

```java
import java.util.Scanner;

Rename usages
public class stringManipulation {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter a string: ");
        String inputString = scanner.nextLine();

        String lowerCaseString = inputString.toLowerCase();
        System.out.println("Lowercase: " + lowerCaseString);

        String upperCaseString = inputString.toUpperCase();
        System.out.println("Uppercase: " + upperCaseString);

        int length = inputString.length();
        System.out.println("Length of the string: " + length);

        String reversedString = "";
```

CiSi × stringManipulation ×

```
nter a string: gowtham
owercase: gowtham
ppercase: GOWTHAM
ength of the string: 7
eversed string: mahtwog
```

```java
import java.util.Scanner;
Rename usages
public class monthSwitch{
    public static void main(String[] args){
        Scanner scanner=new Scanner(System.in);
        System.out.print("enter the month number(1-12):");
        int month=scanner.nextInt();
        switch(month){
            case 1:
                System.out.println("january");
                break;
            case 2:
                System.out.println("february");
                break;
            case 3:
                System.out.println("March");
                break;
            case 4:
                System.out.println("April");
                break;
```

un CiSi × monthSwitch ×

```
"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Users\kappa\D
enter the month number(1-12):5
May

Process finished with exit code 0
```

```java
import java.util.Scanner;
```

Rename usages

Runnable class

```java
public class CiSi {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter Principal for Simple Interest: ");
        double principalSI = scanner.nextDouble();
        System.out.print("Enter Rate of Interest (in %): ");
        double rateSI = scanner.nextDouble();
        System.out.print("Enter Time (in years): ");
        double timeSI = scanner.nextDouble();
        double simpleInterest = (principalSI * rateSI * timeSI) / 100;
        System.out.println("Simple Interest: " + simpleInterest);
        System.out.print("Enter Principal for Compound Interest: ");
        double principalCI = scanner.nextDouble();
        System.out.print("Enter Rate of Interest (in %): ");
        double rateCI = scanner.nextDouble();
        System.out.print("Enter Time (in years): ");
        double timeCI = scanner.nextDouble();
        System.out.print("Enter Number of Times Interest Applied per Time Period
```

CiSi × monthSwitch ×

```
:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Users\kappa\Downloads\Inte
ter Principal for Simple Interest: 10000
ter Rate of Interest (in %): 2
ter Time (in years): 2
mple Interest: 400.0
ter Principal for Compound Interest:
```

```java
Rename usages
public class arithmaticOpr {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter first number: ");
        double num1 = scanner.nextDouble();

        System.out.print("Enter second number: ");
        double num2 = scanner.nextDouble();

        double sum = num1 + num2;
        double difference = num1 - num2;
        double product = num1 * num2;
        double quotient = (num2 != 0) ? (num1 / num2) : Double.NaN;

        System.out.println("Sum: " + sum);
        System.out.println("Difference: " + difference);
        System.out.println("Product: " + product);
```

CiSi × arithmaticOpr ×

```
Enter second number: 5
Sum: 10.0
Difference: 0.0
Product: 25.0
Quotient: 1.0
```

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

        System.out.println("Salary Earned: ");
        int salary = scanner.nextInt();

        if(salary < 50000){
            System.out.println("NO need to pay BasicPay.");
        }
        else{

            double conveyance = 0.3 * salary;
            System.out.println("Conveyance per month: "+conveyance);

            double netconveyance = 12 * conveyance;
            System.out.println("Conveyance per Year: "+netconveyance);
```

CiSi × salaryDetails ×

```
"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Users\kappa\Downloads\Intel
Salary Earned:
50000
Conveyance per month: 15000.0
Conveyance per Year: 180000.0
Net salary Earned: 600000.0
After conveyance per month: 35000.0
After conveyance per year: 420000.0
```