Nama : Muhammad Nazril Nur Rahman
Kelas : SIB 2G
NIM : 2341760174

Task 1

```java
package Jobsheet1;

public class task1_Sepeda {

    Run | Debug
    public static void main(String[] args) {
        String model, model2, model3, model4, model5, model6, model7, model8, model9, model10;
        int cc1, cc2, cc3, cc4, cc5, cc6, cc7, cc8, cc9, cc10;
        int kecepatan, kecepatan2, kecepatan3, kecepatan4, kecepatan5, kecepatan6, kecepatan7, kecepatan8, kecepatan9, kecepatan10;

        model = "CBR150R";
        cc1 = 150;
        kecepatan = 120;

        model2 = "NMAX";
        cc2 = 155;
        kecepatan2 = 120;

        model3 = "Satria FU";
        cc3 = 147;
        kecepatan3 = 110;

        model4 = "Beat";
        cc4 = 140;
        kecepatan4 = 90;

        model5 = "Scopy";
        cc5 = 145;
        kecepatan5 = 100;

        model6 = "Vario";
        cc6 = 155;
        kecepatan6 = 100;

        model7 = "Fazio";
        cc7 = 140;
        kecepatan7 = 100;

        model8 = "AEROX";
        cc8 = 160;
        kecepatan8 = 120;

        model9 = "GSX-S150";
        cc9 = 165;
        kecepatan9 = 130;

        model10 = "GSX-R150";
        cc10 = 170;
        kecepatan10 = 120;
```

```java
kecepatan = upKecepatan(kecepatan, up:10);
kecepatan2 = downKecepatan(kecepatan2, down:20);
kecepatan3 = upKecepatan(kecepatan3,up:20);
kecepatan4 = downKecepatan(kecepatan4,down:20);
kecepatan5 = downKecepatan(kecepatan5, down:30);
kecepatan6 = upKecepatan(kecepatan6,up:20);
kecepatan7 = downKecepatan(kecepatan7,down:20);
kecepatan8 = upKecepatan(kecepatan8,up:20);
kecepatan9 = upKecepatan(kecepatan9,up:10);
kecepatan10 = downKecepatan(kecepatan10,down:20);
```

```
        System.out.println(x:"");
        System.out.println("Model: " + model);
        System.out.println("Kecepatan: " + kecepatan);
        System.out.println("CC: " + cc1);
        System.out.println(x:"");
        System.out.println("Model 2: " + model2);
        System.out.println("Kecepatan 2: " + kecepatan2);
        System.out.println("CC 2: " + cc2);
        System.out.println();
        System.out.println("Model: " + model3);
        System.out.println("Kecepatan: " + kecepatan3);
        System.out.println("CC: " + cc3);
        System.out.println(x:"");
        System.out.println("Model: " + model4);
        System.out.println("Kecepatan: " + kecepatan4);
        System.out.println("CC: " + cc4);
        System.out.println(x:"");
        System.out.println("Model: " + model5);
        System.out.println("Kecepatan: " + kecepatan5);
        System.out.println("CC: " + cc5);
        System.out.println(x:"");
        System.out.println("Model: " + model6);
        System.out.println("Kecepatan: " + kecepatan6);
        System.out.println("CC: " + cc6);
        System.out.println(x:"");
        System.out.println("Model: " + model7);
        System.out.println("Kecepatan: " + kecepatan7);
        System.out.println("CC: " + cc7);
        System.out.println(x:"");
        System.out.println("Model: " + model8);
        System.out.println("Kecepatan: " + kecepatan8);
        System.out.println("CC: " + cc8);
        System.out.println(x:"");
        System.out.println("Model: " + model9);
        System.out.println("Kecepatan: " + kecepatan9);
        System.out.println("CC: " + cc9);
        System.out.println(x:"");
        System.out.println("Model: " + model10);
        System.out.println("Kecepatan: " + kecepatan10);
        System.out.println("CC: " + cc10);
        System.out.println(x:"");
    }

    public static int upKecepatan(int kecepatan, int up) {
        kecepatan += up;
        return kecepatan;
    }

    public static int downKecepatan(int kecepatan, int down) {
        kecepatan -= down;
        return kecepatan;
    }
```

```
Model: CBR150R
Kecepatan: 130
CC: 150

Model 2: NMAX
Kecepatan 2: 100
CC 2: 155

Model: Satria FU
Kecepatan: 130
CC: 147

Model: Beat
Kecepatan: 70
CC: 140

Model: Scopy
Kecepatan: 70
CC: 145

Model: Vario
Kecepatan: 120
CC: 155

Model: Fazio
Kecepatan: 80
CC: 140

Model: AEROX
Kecepatan: 140
CC: 160

Model: GSX-S150
Kecepatan: 140
CC: 165

Model: GSX-R150
Kecepatan: 100
CC: 170

nazril@Muhammads-MacBook-Air Jobsheet %
```

Task 2

```java
package Jobsheet1;
import java.util.Scanner;
public class task2_calculator {

    Run | Debug
    public static void main(String[] args) {
        Scanner naz = new Scanner(System.in);

        System.out.print(s:"Masukkan angka pertama: ");
        double angka1 = naz.nextDouble();

        System.out.print(s:"Masukkan operator (+, -, *, /): ");
        char operator = naz.next().charAt(index:0);

        System.out.print(s:"Masukkan angka kedua: ");
        double angka2 = naz.nextDouble();

        double hasil = 0;
        boolean validOperator = true;

        switch (operator) {
            case '+':
                hasil = tambah(angka1, angka2);
                break;
            case '-':
                hasil = kurang(angka1, angka2);
                break;
            case '*':
                hasil = kali(angka1, angka2);
                break;
            case '/':
                if (angka2 != 0) {
                    hasil = bagi(angka1, angka2);
                }
                break;
        }
```

```java
        if (validOperator) {
            System.out.println("Hasil: " + hasil);
        }

        naz.close();
    }

    public static double tambah(double a, double b) {
        return a + b;
    }

    public static double kurang(double a, double b) {
        return a - b;
    }

    public static double kali(double a, double b) {
        return a * b;
    }

    public static double bagi(double a, double b) {
        return a / b;
    }
}
```