LAPORAN PRAKTIKUM 3

Pemrograman Berbasis Objek

Disusun Oleh :

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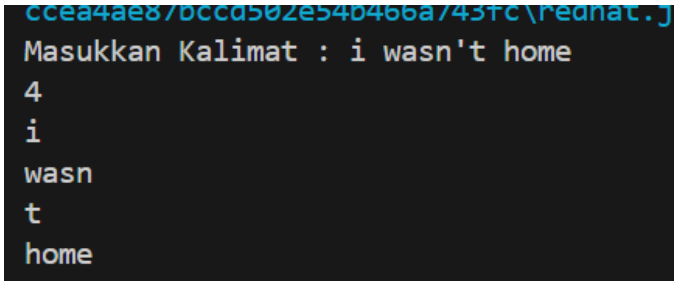
Soal 1 : Input & Output

Kode program :

```
import java.util.Scanner;


public class Soal1 {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Masukkan Kalimat : ");

        String scan = scanner.nextLine();


        String input;

        String[] str  = scan.split("[ !,?._'@]");


        System.out.println(str.length);

        for (String s : str){

            System.out.println(s);

        }

    }

}
```

Output :

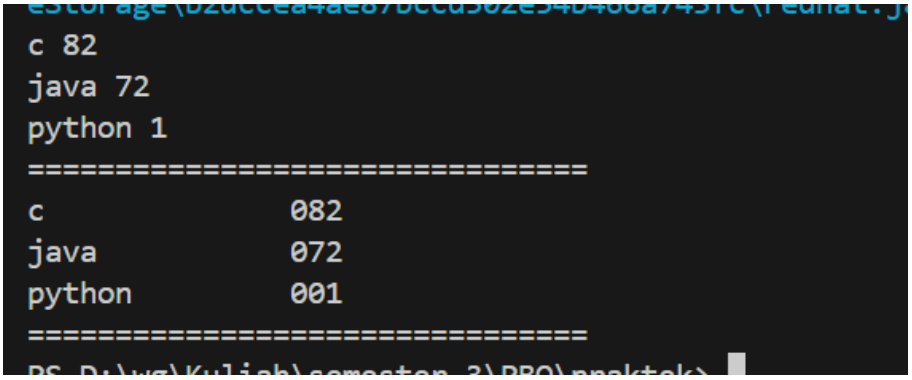


Soal 2 : Input & Output (2)

Kode program :

```
import java.util.Scanner;


public class P2Soal2 {


    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        String[] str = new String[3];
        int[] num = new int[3];


        for (int i = 0; i < 3; i++) {
            str[i] = scanner.next();
            num[i] = scanner.nextInt();


        }
        System.out.println("================================");


        for (int i = 0; i < 3; i++) {
            System.out.printf("%-15s%03d%n", str[i], num[i]);
        }


        System.out.println("================================");


        scanner.close();
    }
}
```

Output :



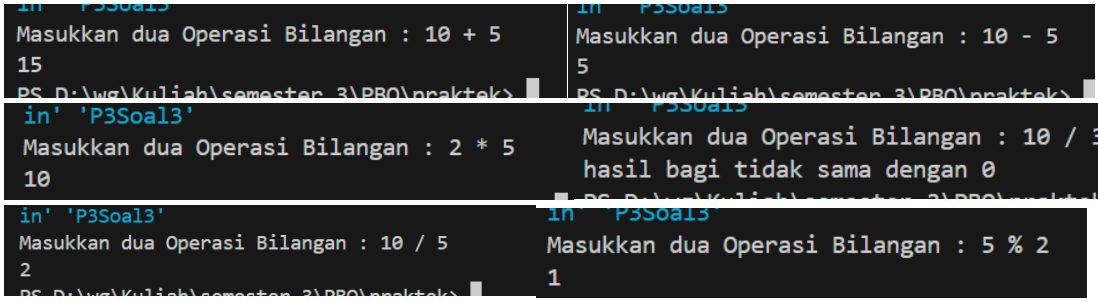
Soal 3 : Berhitung

Kode program :

```
import java.util.Scanner;


public class P3Soal3 {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Masukkan dua Operasi Bilangan : ");
        String scan = scanner.nextLine();
        int result = 0;

        String[] operasi = scan.split(" ");
        int A = Integer.parseInt(operasi[0]);
        if (A < 1){
            System.out.print("A Tidak dapat kurang dari 1");
            return;
        }
        String operator = operasi[1];
        int B = Integer.parseInt(operasi[2]);
        if (B > 1000){
            System.out.print("B Tidak dapat Lebih dari 1000");
            return;
        }
```

```
        switch (operator) {
            case "+":
                result = A + B;
                break;
            case "-":
                result = A - B;
                break;
            case "*":
                result = A * B;
                break;
            case "/":
                if (A % B == 0) {
                    result = A / B;
                } else {
                    System.out.println("hasil bagi tidak sama dengan 0");
                    scanner.close();
                    return;
                }
                break;
            case "%":
            result = A % B;
            default:
                System.out.println("Error: Unknown operator");
                scanner.close();
                return;
        }
        System.out.println(result);
        scanner.close();
    }
}
```

Output :



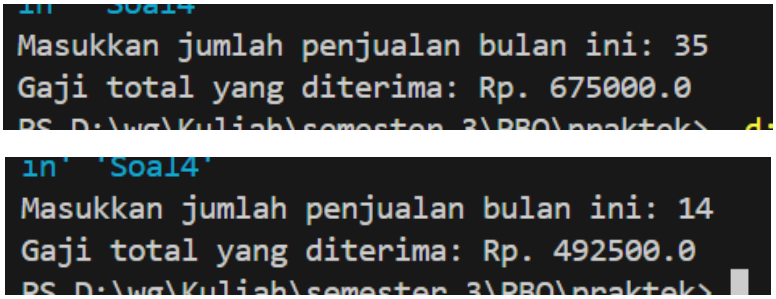
Soal 4 : Gaji Agent

Kode program :

```
import java.util.Scanner;

public class Soal4 {


    public static void main(String[] args) {


        int gajiPokok = 500000;

        int hargaItem = 50000;

        double gajiTotal;


        Scanner scanner = new Scanner(System.in);

        System.out.print("Masukkan jumlah penjualan bulan ini: ");

        int jumlahPenjualan = scanner.nextInt();


        if (jumlahPenjualan >= 80) {

            gajiTotal = gajiPokok + (0.35 * hargaItem * jumlahPenjualan);

        } else if (jumlahPenjualan >= 40) {

            gajiTotal = gajiPokok + (0.25 * hargaItem * jumlahPenjualan);

        } else if (jumlahPenjualan > 15) {

            gajiTotal = gajiPokok + (0.10 * hargaItem * jumlahPenjualan);

        } else {

           double minusPenjualan = 0.15 * (15-jumlahPenjualan) * hargaItem;

            gajiTotal = gajiPokok - minusPenjualan;


        }
```

```
        System.out.println("Gaji total yang diterima: Rp. " + gajiTotal);

        scanner.close();
    }
}
```

Output :



Kesulitan yang dihadapi :

Sedikit sulit untuk memahami soal.

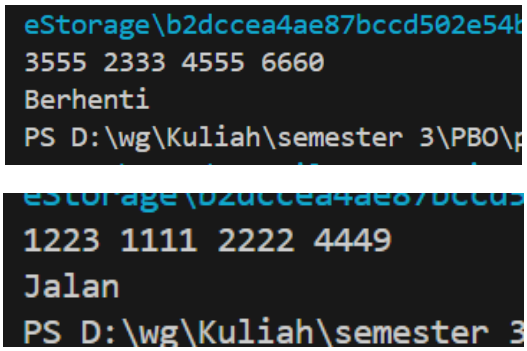
Soal 5 : Buka Tutup Jalan

Kode program :

```
import java.util.Scanner;

public class P3Soal5 {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        String line = scanner.nextLine();

        String plates = line.replace(" ", "");

        long plate = Long.parseLong(plates);

        long result = plate - 999999;
```

```
        if (result % 5 == 0) {
            System.out.println("Jalan");
        } else {
            System.out.println("Berhenti");
        }

        scanner.close();
    }
}
```

Output :



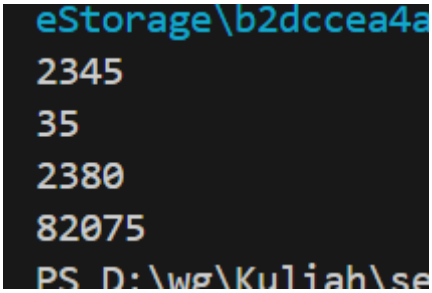
Soal 6 : Big Number

Kode program :

```
import java.math.BigInteger;
import java.util.Scanner;

public class P3Soal6 {

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

        String inputA = scanner.nextLine();
        String inputB = scanner.nextLine();
```

```
        BigInteger a = new BigInteger(inputA);
        BigInteger b = new BigInteger(inputB);

        BigInteger sum = a.add(b);
        BigInteger product = a.multiply(b);

        System.out.println(sum);
        System.out.println(product);

        scanner.close();
    }
}
```

Output :



Link GitHub :

https://github.com/WildanGumilang/PBO-praktek