**LAPORAN PRAKTIKUM 3**

**Pemrograman Berbasis Objek**

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**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 :**

A screen shot of a computer

Description automatically generated

**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 :**

A screenshot of a computer code

Description automatically generated

**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 :**

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**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 :**

**A black background with white text

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Description automatically generated**

**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");

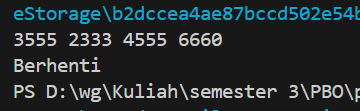
        }

        scanner.close();

    }

}

**Output :**

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**A screenshot of a computer

Description automatically generated**

**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);

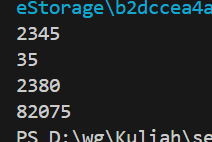
        System.out.println(product);

        scanner.close();

    }

}

**Output :**



**Link GitHub :**

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