

LAPORAN TUGAS MINGGU 1

Java Fundamental

Pemorgaman Berorientasi Objek

Resume ini disusun untuk memenuhi Tugas Mata Kuliah Pemrograman Berorientasi Objek



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**PROGRAM STUDI D3 TEKNIK INFORMATIKA
JURUSAN TEKNIK KOMPUTER DAN INFORMATIKA
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Soal	Input & Ouput (1)
Input & Ouput	<pre> public static void main(String[] args) { String s = " "; do{ Scanner input = new Scanner(System.in); System.out.print("masukan string : "); s = input.nextLine(); if(s.length() < 1); System.out.println("Tolong Masukan Teks !!!"); }while(s.length() < 1); String[] words = s.split(" \\ \\ !\\ \\, \\ \\. \\ \\' \\ \\@"); int n = words.length; System.out.println(n); for(String w : words){ System.out.println(w); } } </pre> <hr/> <pre> run: masukan string : I wasn't home Tolong Masukan Teks !!! 4 I wasn t home BUILD SUCCESSFUL (total time: 15 seconds) </pre>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Soal	Input & Ouput (2)
Input & Ouput	

	<pre> /** * * @author rivan */ public class IO2 { /** * @param args the command line arguments */ public static void main(String[] args) { Scanner sc = new Scanner(System.in); System.out.println("====="); for (int i=0; i<3; i++) { String s1 = sc.next(); int x = sc.nextInt(); System.out.printf("%-14s %03d\n", s1, x); } System.out.println("====="); } } run: ===== C 82 C 082 phyton 90 phyton 090 java 100 java 100 ===== BUILD SUCCESSFUL (total time: 46 seconds) </pre>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Soal	Berhitung
Input & Ouput	<pre> import java.util.Scanner; import java.math.*; /** * * @author rivan */ public class Berhitung { public static void main(String[] args) { // TODO Auto-generated method stub Scanner in = new Scanner(System.in); char operator; double A, B, total_hasil; while (true) { System.out.print("Masukkan data (Menggunakan Space): "); A = in.nextDouble(); operator = in.next().charAt(0); // mengembalikan karakter pertama dalam string B = in.nextDouble(); if (A>=1 && B <=1000) { switch (operator) { case '+' -> { total_hasil = A + B; System.out.println(total_hasil); } case '-' -> { total_hasil = A - B; System.out.println(total_hasil); } case '*' -> { total_hasil = A * B; System.out.println(total_hasil); } case '/' -> { if (A%B == 0) { total_hasil = A / B; System.out.println(total_hasil); } else{ System.out.println("Penyebut tidak habis membagi pembilang"); } } case '%' -> { total_hasil = A % B; System.out.println(total_hasil); } } } } } } </pre>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Soal	Gaji Agent
Input & Ouput	<pre> import java.util.Scanner; import java.math.*; /** * @author rivan */ public class Gaji { public static void main(String[] args) { Scanner myObj = new Scanner(System.in); float primeSalary = 500000; System.out.print("Input Jumlah Penjualan : "); int totalSale = myObj.nextInt(); float itemPrice = 50000; float bonusPerSale = totalSale * (itemPrice * 10 / 100); float achievement = 0; if(totalSale > 80) { achievement = totalSale * (itemPrice * 35 / 100); } else if(totalSale >= 40 && totalSale < 80) { achievement = totalSale * (itemPrice * 25 / 100); } else if(totalSale < 15) { achievement = (totalSale - 15) * (itemPrice * 15 / 100); bonusPerSale = 0; } float totalSalary = primeSalary + bonusPerSale + achievement; System.out.println("Gaji Pokok : "+ primeSalary + "\nBonus Penjualan : "+ bonusPerSale + "\nBonus / Denda : "+ achievement); System.out.println("Total Gaji : "+ totalSalary); } } </pre> <p>run:</p> <pre> Input Jumlah Penjualan : 14 Gaji Pokok : 500000.0 Bonus Penjualan : 0.0 Bonus / Denda : -7500.0 Total Gaji : 492500.0 BUILD SUCCESSFUL (total time: 5 seconds) </pre>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Soal	Buka Tutup Jalan
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Input & Ouput	<pre> import java.io.*; import java.util.Scanner; /** * @author riva */ public class BukaTutupJalan { public static void main (String[] args) { Scanner input = new Scanner(System.in); String plat4 = input.nextLine(); String[] split = plat4.split(" "); String plat = split[0] + split[1] + split[2] + split[3]; long sum = Long.parseLong(plat); sum -= 999999; if(sum % 5 == 0) { System.out.println("jalan"); } else { System.out.println("berhenti"); } } } </pre> <p>run: 12223 1111 2222 4449 jalan BUILD SUCCESSFUL (total time: 52 seconds)</p>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Soal	Big Number
Input & Ouput	<pre> /** * @author rivan */ public class BigInt { /** * @param args the command line arguments */ public static void main(String[] args) { //TODO Auto-generated method stub Scanner scan = new Scanner(System.in); BigInteger a = new BigInteger(scan.nextLine()); BigInteger b = new BigInteger(scan.nextLine()); BigInteger tambah = a.add(b); BigInteger kali = a.multiply(b); System.out.print(tambah+"\n"+kali+"\n"); } } </pre> <p>run: 2345 35 2380 82075 BUILD SUCCESSFUL (total time: 8 seconds)</p>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Soal	Array
Input & Ouput	<pre> import java.io.*; /** * * @author rivan */ public class Array { public static void main(String[] args) { int[] firstArray = {2, 5, 3}; int[] secondArray = {9, 5, 3}; int[] thirdArray = {2, 4, 9}; int[] fourthArray = {10, 11, 12}; int[] fifthArray = {13, 14, 15}; int[] sixthArray = {16, 17, 18}; int[] seventhArray = {19, 17, 18}; int[] eighthArray = {22, 23, 24}; int[] ninthArray = {25, 26, 27}; //Array 2 dimensi int[][] twoDimensionalArray1 = {firstArray, secondArray, thirdArray}; int[][] twoDimensionalArray2 = {fourthArray, fifthArray, sixthArray}; int[][] twoDimensionalArray3 = {seventhArray, eighthArray, ninthArray}; //Array 3 dimensi int[][][] threeDimensionalArray = {twoDimensionalArray1, twoDimensionalArray2, twoDimensionalArray3}; for(int z = 0; z < 3; z++) { System.out.print("("); for(int y = 0; y < 3; y++) { System.out.print("("); for(int x = 0; x < 3; x++) { System.out.print(threeDimensionalArray[z][y][x]+" "); } System.out.print(" "); } System.out.print(")"); System.out.println(); } } } run: {{2 5 3 }{9 5 3 }{2 4 9 }} {{10 11 12 }{13 14 15 }{16 17 18 }} {{19 17 18 }{22 23 24 }{25 26 27 }} BUILD SUCCESSFUL (total time: 0 seconds) </pre>
Kendala	Terdapat kesalahan syntax
Solusi	Mencari ke google

Berikut merupakan link GitHub untuk source codenya :

<https://github.com/Rivan20/CobaJava/tree/main/W3/src/w3>