Format laporan hasil praktikum

|  |
| --- |
| **Pertemuan : Data Type and Variable Scope (Eclipse)** |
| **Link Github:** |
| **Code:**   1. **Casting Data**   package Project\_1;  public class castingData {  public static void main(String[] args) {  // TODO Auto-generated method stub  byte a = 50;  int b = 5;  float c = 2;    int d = (int) (a\*b/c);  int e = (int) (a\*b)/251;    System.out.println("a = "+a+" b = "+b+" c = "+c+" d = "+d);  System.out.println("e = "+e);  }  }   1. **String Operation**   package Project\_2;  public class StringOperations {  public static void main(String[] args) {  String string1 = "Hello";  String string2 = "Lisa";  String string3 = " ";  string3 = "How are you ".concat(string2);  System.out.println("string3: "+string3);    //get length  System.out.println("Length: "+string3.length());    //get substring beginning with character 0, up to, but not  //including character 5  System.out.println("Sub: "+string3.substring(0,5));    //uppercase  System.out.println("Upper: "+string3.toUpperCase());    String string4 = "How are you "+string2;  System.out.println("string4: "+string4);  System.out.println("string: "+(string1+=string2));  System.out.println(string2.indexOf('a'));  System.out.println(string2.charAt(2));    String s1 = "abc";  String s2 = "cde";    //comapreTo(string AnotherString  System.out.println(s1.compareTo(s2));    //Equals  System.out.println(s1.equals(s2));  }  }   1. **Calculator IF & Switch**   package Project\_3;  import java.util.Scanner;  public class CalculatorIF {  public static void main(String[] args) {  Scanner in = new Scanner(System.in);  int answer = 0;  System.out.println("Enter a number: ");    int num1 = in.nextInt();  System.out.println("Enter another number: ");    int num2 = in.nextInt();  System.out.println("Enter the operand: ");    char input = in.next().charAt(0);    if(input == '\*')  answer = num1\*num2;  else if(input == '/')  answer = num1/num2;  else if(input == '%')  answer = num1%num2;  else if(input == '+')  answer = num1+num2;  else if(input == '-')  answer = num1-num2;  else  System.out.println("Invalid Command");    System.out.println("The result is: "+answer);  }  }  package Project\_3;  import java.util.Scanner;  public class CalculatorSwitch {  public static void main(String[] args) {  Scanner in = new Scanner(System.in);  int answer = 0;  System.out.println("Enter a number: ");    int num1 = in.nextInt();  System.out.println("Enter another number: ");    int num2 = in.nextInt();  System.out.println("Enter the operand: ");    char input = in.next().charAt(0);    switch(input)  {  case '\*':  answer = num1\*num2;  break;  case '/':  answer = num1/num2;  break;  case '%':  answer = num1%num2;  break;  case '+':  answer = num1+num2;  break;  case '-':  answer = num1-num2;  break;  default:  System.out.println("Invalid Command");  }  System.out.println("The result is: "+answer);  }  }   1. **Leap Year Calculator**   package ControlStatementProject;  import java.util.Scanner;  public class leapYearCaculator {  static int Month, Year, Day;  static String EvenOdd, nameMonth;  static Scanner inInt = new Scanner(System.in);  public static void main(String[] args) {  inputData();  Day(leapYear());    System.out.println("\n\nCek Your Input...\n");  System.out.println("Month: "+MonthEvenOdd()+" Month, "+nameMonth);  System.out.println("Year: "+Year+" And"+((leapYear())?"":" NOT")+" a Leap Year");  System.out.println("Day: "+ Day);  }    static void inputData() {  System.out.println("Select Month");  System.out.print("[0] January\t[6] July\n"  + "[1] February\t[7] August\n"  + "[2] March\t[8] September\n"  + "[3] April\t[9] October\n"  + "[4] May\t\t[10] November\n"  + "[5] June\t[11] Desember\n"  + " : ");  Month = inInt.nextInt()+1;  System.out.print("Input Year: ");  Year = inInt.nextInt();  }    static String MonthEvenOdd() {  return (((Month % 2 == 0) ? "Even (Genap)" : "Odd (Ganjil)"));  }    static void Day(boolean leapYear) {  switch(Month)  {  case 1:  Day = 31;  nameMonth = "January";  break;  case 2:  nameMonth = "February";  Day = (leapYear) ? 29 : 28;  break;  case 3:  Day = 31;  nameMonth = "March";  break;  case 4:  Day = 30;  nameMonth = "April";  break;  case 5:  Day = 31;  nameMonth = "May";  break;  case 6:  Day = 30;  nameMonth = "June";  break;  case 7:  Day = 31;  nameMonth = "July";  break;  case 8:  Day = 31;  nameMonth = "August";  break;  case 9:  Day = 30;  nameMonth = "September";  break;  case 10:  Day = 31;  nameMonth = "October";  break;  case 11:  Day = 30;  nameMonth = "November";  break;  case 12:  Day = 31;  nameMonth = "Desember";  break;  default:  System.out.println("Invalid Input of Month");  }  }    static boolean leapYear() {  return ((Year % 4 == 0) && (Year % 100 != 0))? true:false;  }  } |
| **Screenshot hasil eksekusi:** |