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PSEUDOCODE KONVERSI SUHU

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import java.util.Scanner;
import java.math.BigDecimal;
import java.math.RoundingMode;

public class konversisuhuv2 {

    public static double celsiusKeFahrenheit(double celsius){
        return (celsius*9/5)+32;
    }
    public static double celsiusKeReamur(double celsius){
        return celsius*4/5;
    }
    public static double celsiusKeKelvin(double celsius){
        return celsius+273.15;
    }
    public static double fahrenheitKeCelsius(double fahrenheit){
        return (fahrenheit-32)*5/9;
    }
    public static double fahrenheitKeReamur(double fahrenheit){
        return (fahrenheit-32)*4/9;
    }
    public static double fahrenheitKeKelvin(double fahrenheit){
        return (fahrenheit-32)*5/9+273.15;
    }
    public static double reamurKeCelsius(double reamur){
        return reamur*5/4;
    }
    public static double reamurKeFahrenheit(double reamur){
        return reamur*9/4+32;
    }
    public static double reamurKeKelvin(double reamur){
        return reamur*5/4+273.15;
    }
    public static double kelvinKeCelsius(double kelvin){
        return kelvin-273.15;
    }
    public static double kelvinKeFahrenheit(double kelvin){
        return (kelvin-273.25)*9/5+32;
    }
    public static double kelvinKeReamur(double kelvin){
        return (kelvin-273.25)*4/5;
    }
}

public static void main (String[] args){
    try (Scanner input = new Scanner(System.in)){
        boolean ulang=true;

        while (ulang) {
            System.out.println("=====");
            System.out.println("    PROGRAM KONVERSI SUHU");
            System.out.println("=====");
            System.out.println("-----MENU-----");
            System.out.println("=====");
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System.out.println("1.Dari celcius");
System.out.println("2.Dari Fahrenheit");
System.out.println("3.Dari Reamur");
System.out.println("4.Dari Kelvin");
System.out.println("=====");
System.out.println("Masukkan Pilihan dengan angka");
System.out.println("=====");
int pilihan = input.nextInt();

if (pilihan < 1 || pilihan >4){
    System.out.println("Pilihan tidak valid. Silahkan pilih nomor yang tersedia di menu");
    continue;
}

double suhuawal;
System.out.print("Masukkan Suhu awal :");
suhuawal = input.nextDouble();

double hasil1=0,hasil2=0,hasil3=0;

switch (pilihan) {
    case 1:
        hasil1 = celsiusKeFahrenheit(suhuawal);
        hasil2 = celsiusKeReamur(suhuawal);
        hasil3 = celsiusKeKelvin(suhuawal);
        break;
    case 2:
        hasil1 = fahrenheitKeCelsius(suhuawal);
        hasil2 = fahrenheitKeReamur(suhuawal);
        hasil3 = fahrenheitKeKelvin(suhuawal);
        break;
    case 3:
        hasil1 = reamurKeCelsius(suhuawal);
        hasil2 = reamurKeFahrenheit(suhuawal);
        hasil3 = reamurKeKelvin(suhuawal);
        break;
    case 4:
        hasil1 = kelvinKeCelsius(suhuawal);
        hasil2 = kelvinKeFahrenheit(suhuawal);
        hasil3 = kelvinKeReamur(suhuawal);
        break;
}

if (pilihan==1){
    System.out.println("-----");
    System.out.println("                CELSIUS");
    System.out.println("-----");
    BigDecimal roundedResult1 = new BigDecimal(hasil1).setScale(2,RoundingMode.HALF_UP);
    System.out.println("Hasil Fahrenheit : " +roundedResult1+" f");
    BigDecimal roundedResult2 = new BigDecimal(hasil2).setScale(2,RoundingMode.HALF_UP);
    System.out.println("Hasil Reamur      : " +roundedResult2+" r");
    BigDecimal roundedResult3 = new BigDecimal(hasil3).setScale(2,RoundingMode.HALF_UP);
    System.out.println("Hasil Kelvin      : " +roundedResult3+" k");
    System.out.println("-----");
}

else if (pilihan==2){
    System.out.println("-----");
    System.out.println("                FAHRENHEIT");
    System.out.println("-----");
    BigDecimal roundedResult1 = new BigDecimal(hasil1).setScale(2,RoundingMode.HALF_UP);
    System.out.println("Hasil Celsius : " +roundedResult1+" c");
}

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        BigDecimal roundedResult2 = new BigDecimal(hasil2).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Reamur : " +roundedResult2+" r");
        BigDecimal roundedResult3 = new BigDecimal(hasil3).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Kelvin : " +roundedResult3+" k");
        System.out.println("-----");
    }

    else if (pilihan==3){
        System.out.println("-----");
        System.out.println("                REAMUR");
        System.out.println("-----");
        BigDecimal roundedResult1 = new BigDecimal(hasil1).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Celsius : " +roundedResult1+" c");
        BigDecimal roundedResult2 = new BigDecimal(hasil2).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Fahrenheit : " +roundedResult2+" f");
        BigDecimal roundedResult3 = new BigDecimal(hasil3).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Kelvin : " +roundedResult3+" k");
        System.out.println("-----");
    }

    else if (pilihan==4){
        System.out.println("-----");
        System.out.println("                Kelvin");
        System.out.println("-----");
        BigDecimal roundedResult1 = new BigDecimal(hasil1).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Celsius : " +roundedResult1+" c");
        BigDecimal roundedResult2 = new BigDecimal(hasil2).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Fahrenheit : " +roundedResult2+" f");
        BigDecimal roundedResult3 = new BigDecimal(hasil3).setScale(2,RoundingMode.HALF_UP);
        System.out.println("Hasil Reamur : " +roundedResult3+" r");
        System.out.println("-----");
    }

    System.out.println("Apakah anda ingin mencoba konversi lain? (y/n): ");
    String jawaban = input.next();
    if (!jawaban.equalsIgnoreCase("y")){
        ulang=false;
    }
}

}

}

```

BUKTI LIKE & COMMENT

The screenshot displays a YouTube video player with a dark theme. The video content is a screen recording of a NetBeans IDE 8.2. The IDE shows a project named 'konversisuhu' with a package 'konversi' and a class 'KonversiSuhu.java'. The code in the editor includes imports for 'import java.util.*' and 'import javax.swing.*', and a public class 'KonversiSuhu' with a 'main' method. The video player interface includes a title 'Program Konversi Suhu Menggunakan Java', a channel name 'Pojok Digital AI', and a description '33 x ditonton 3 hari yang lalu MATKUL DESAIN ALGORITMA 1 ...lainnya'. Below the video, there are 5 comments, with one visible from '@Adikeant' 1 hari yang lalu. The right sidebar shows a list of recommended videos, including 'INPUT & OUTPUT', 'NOBAR PMGG GROU GREEN - PUEVAE MANA SUARANYA', 'LIVE HALO NOVEMBER! AM BACK!', 'BRING ME THE HORN', 'Awakening' on Ichika Nito Signature Guitar - Ibanez, '[FULL VERSION] MONSIEUR: Mengupas Aliran Sasa di...', 'JUALAN NASI GORENG DI AMERIKA YANG BELI CANTIK...', 'Tea DINA sama dengan Tea SWAB | Tanpa Arah', 'MATKUL DESAIN ALGORITMA 1', 'PENGANTAR ALGORITMA', and 'PENGANTAR ALGO PACKET'.