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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