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/*
    Problem 2:      Pane Version
                    declaring data types
                    entering data
                    performing data conversions
                    performing computations
                    generating output

    Programmer:    Wayne Spence
    Date:          September 7, 2003
    Program Name:   DME2Pane
*/

import javax.swing.*; //Import necessary to support JOptionPane operations

public class DME2Pane
{
    public static void main (String[] args)
    {

        //Declaring Variables
        String customerNumberString;
        String customerNameString;
        String customerTypeString = "R";
        String serviceTypeString = "1";
        String meterReadingDayString = "01";
        String meterReadingMonthString = "25";
        String meterReadingYearString = "2004";
        String kilowattHoursString = "0";
        int kilowattHours;
        double fuelCharge;
        double fuelChargeRate = 0.025;

        String DMEPaneTitle = "Denton Municipal Utilities";
        String outputLine = "";

        //Prompt and get input from user
        customerNumberString =
            JOptionPane.showInputDialog(null, "What is the customer number? ",
                DMEPaneTitle, JOptionPane.INFORMATION_MESSAGE);
        customerNameString =
            JOptionPane.showInputDialog(null, "What is the customer name? ",
                DMEPaneTitle, JOptionPane.PLAIN_MESSAGE);
        customerTypeString =
            JOptionPane.showInputDialog("What is the customer type? (R, C or G)
",
            customerTypeString);
        serviceTypeString =
            JOptionPane.showInputDialog("What is the service type? (1 or 2) ",
                serviceTypeString);
        meterReadingDayString =
            JOptionPane.showInputDialog("What day was the meter read ",
                meterReadingDayString);
        meterReadingMonthString =
            JOptionPane.showInputDialog("What month was the meter read? ",
                meterReadingMonthString);
        meterReadingYearString =
            JOptionPane.showInputDialog("What year was the meter read? ",

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        meterReadingYearString);
kilowattHoursString =
    JOptionPane.showInputDialog("How many kilowatt were used (KWH)? ");

//Conversions
kilowattHours = Integer.parseInt(kilowattHoursString);

//Calculations
fuelCharge = Math.round(kilowattHours * fuelChargeRate * 100.0)/100.0;

//Output
outputLine = "This program produced by: Wayne Spence\n\n" +
    "\nThe fuel charge for " + kilowattHoursString +
    " KWH by "+ customerNameString + " is $" + fuelCharge;
JOptionPane.showMessageDialog(null, outputLine,
    DMEPaneTitle, JOptionPane.PLAIN_MESSAGE);
}
}
```