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/*

Meghan Brinkmann
CIS-165
Project 3
Completion Date: 11/12/23
Due Date: 11/16/23
Description: This program takes the Family ID and size as well as income and debt,
            calculates the expected living expenses, monthly payment, amount the
            family should save and the service fee, and displays an organized output
            that provides the user with the Family ID and size, income, debt, expected
            living expenses, monthly payment, amount the family should save and
            the service fee.

*/

#include <iostream>
#include <iomanip>
using namespace std;

int main()
{
    // declarations
    int family_id, family_size;
    float income, debt, expense, pymt, savings, fee;

    // constants
    const float EXPENSE1 = 4500.50;
    const float EXPENSE2 = 4700.30;
    const float EXPENSE3 = 5000.00;
    const float FEE1 = 0.01;
    const float FEE2 = 0.02;

    // input statements
    cout << "Please input the Family ID: ";
    cin >> family_id;

    cout << "Please input the Size of the Family: ";
    cin >> family_size;

    cout << "Please input the Annual Income: ";
    cin >> income;

    cout << "Pleae input the Total Debt: ";
    cin >> debt;

    // calculations
    /* living expenses */
    if (family_size > 4)
        expense = family_size * EXPENSE1;
    else if (family_size < 4)
        expense = family_size * EXPENSE3;
    else
        expense = family_size * EXPENSE2;
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    /* monthly payment */
    if (debt > 4000)
        pymt = debt / 24;
    else
        pymt = debt / 12;

    /* savings */
    savings = family_size * 0.02 * (income - debt);

    /* service fee */
    if (income > 30000)
        fee = income * FEE2;
    else
        fee = income * FEE1;

    // output statements
    cout << endl << endl << "%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%" << endl
        << setw(36) << "Family Budget Assistance Center" << endl
        << setw(26) << "November 2023" << endl
        << setw(33) << "Telephone:  (800) 555-1234" << endl
        << "%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%" << endl;
    cout << setiosflags(ios::showpoint)
        << setiosflags(ios:: fixed)
        << setprecision(2)
        << endl << "Identification Number" << setw(15) << family_id << endl
        << "Family Size" << setw(25) << family_size << endl
        << "Annual Income" << setw(26) << income << endl
        << "Total Debt" << setw(29) << debt << endl
        << "Expected Living Expenses" << setw(15) << expense << endl
        << "Monthly Payment" << setw(24) << pymt << endl
        << "Savings" << setw(32) << savings << endl
        << "Service Fee" << setw(28) << fee;

  return 0;
}
```