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//-- *****
//-- CLASS:      Observation
//-- AUTHOR:     Paul McKillop
//-- CREATED:    04 January 2019
//-- PURPOSE:    Handle observation data
//-- *****

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace ProductPerformance
{
    public class Observation
    {
        public string Person { get; set; }
        public string ProductType { get; set; }
        public string Product { get; set; }
        public string ProductSize { get; set; }
        public string FirstUse { get; set; }
        public string Continuous { get; set; }
        public string Observation1 { get; set; }
        public string Observation2 { get; set; }
        public string Observation3 { get; set; }

        string ObservationDetails()
        {
            var str = new StringBuilder();

            str.Append(Person).AppendLine();
            str.Append("Product Type: ").Append(ProductType).AppendLine();
            str.Append("Product: ").Append(Product).Append(" Size: ").Append(
                ProductSize).AppendLine();
            str.Append("Observation 1: ").Append(Observation1).AppendLine();
            str.Append("Observation 2: ").Append(Observation2).AppendLine();
            str.Append("Observation 3: ").Append(Observation3).AppendLine();

            return str.ToString();
        }

        //-- Create a string with all observation data as a single string
        //-- with no line formatting for text file storage
        public string AllObservationData()
        {
            string data = Person + "," + ProductType + "," + Product + "," +
                ProductSize + "," + FirstUse + "," + Continuous + "," +
                Observation1 + "," + Observation2 + "," + Observation3;

            return data;
        }

        //-- Create an abbreviated Observation Person, Product, ProductSize
        public string ObservationDataShort()
        {
            return Person + ":", " + ProductType + ", " + Product + ", " + ProductSize;
        }
    }
}

```