```
using System;
   using System.Collections.Generic;
  using System.Globalization;
  using MainData;
  using AttributeData;
⊟namespace AttributeData
        [AttributeUsage(AttributeTargets.All, AllowMultiple = true)]
             public string Manufacturer { get; set; }
public string CompanyName { get; set; }
             public MilkMoreInfo(string Manufacturer = "", string CompanyName = "")
                   this.Manufacturer = Manufacturer;
this.CompanyName = CompanyName;
⊟namespace MainData
        interface InputOutput
              void InputMilkInfo();
              void OutputMilkInfo();
        class Milk : InputOutput
             private string MilkName;
private string MilkID;
private DateTime ProductionDate;
             private DateTime ExpiredDate;
             private int Quantity;
             public Milk(string MilkName = "Not assigned", string ProductionDate = "01/01/1900",
string ExpiredDate = "01/01/1900", int Quantity = 0)
                   this.MilkName = MilkName;
                  this.ProductionDate = DateTime.ParseExact(ProductionDate, "dd/MM/yyyy", CultureInfo.InvariantCulture);
this.MilkID = String.Format("MILK{0}", this.ProductionDate.ToString("ddMMyyyy"));
this.ExpiredDate = DateTime.ParseExact(ExpiredDate, "dd/MM/yyyy", CultureInfo.InvariantCulture);
                   this.Quantity = Quantity;
             public string ValMilkName
                   get { return MilkName; }
set { MilkName = value; }
             public string ValMilkID
                   get { return MilkID; }
             public string ValProductionDate
                   get { return ProductionDate.ToString("dd/MM/yyyy"); }
                         ProductionDate = DateTime.ParseExact(value, "dd/MM/yyyy", CultureInfo.InvariantCulture);
MilkID = String.Format("MILK{0}", this.ProductionDate.ToString("ddWMyyyy"));
              public string ValExpiredDate
                   get { return ExpiredDate.ToString("dd/MM/yyyyy"); }
set { ExpiredDate = DateTime.ParseExact(value, "dd/MM/yyyy", CultureInfo.InvariantCulture); }
              public int ValQuantity
                   get { return Quantity; }
set { Quantity = value; }
```

```
ublic void InputProductionDate()
    Console.WriteLine("Input Production Date:");
        ValProductionDate = Console.ReadLine();
    catch (FormatException)
        Console.WriteLine("Not a date! Please input again. (Example: 01/05/2021)");
        InputProductionDate();
public void InputExpiredDate()...
public void InputQuantity()
    Console.WriteLine("Input Quantity:");
       ValQuantity = int.Parse(Console.ReadLine());
if(Quantity <= 0)</pre>
            throw new WrongNumException();
    catch (FormatException)
        Console.WriteLine("Not a number! Please input again.");
        InputQuantity();
    catch (WrongNumException)
        Console.WriteLine("Unreasonable quantity (negative or 0)! Please input again.");
        InputQuantity();
}
public void InputMilkInfo()
    Console.WriteLine("Getting Milk Info .....");
Console.WriteLine("Input Milk Name:");
ValMilkName = Console.ReadLine();
    InputProductionDate();
    InputExpiredDate();
    InputQuantity();
    Console.WriteLine("----");
public void OutputMilkInfo()
    Console.WriteLine("Displaying Milk Info .....");
   public WrongNumException() { }
public WrongNumException(string message) : base(message) { }
```

