using System;

using System.Collections.Generic;

class Program

{

static void Main()

{

var list = new List<DateTime>();

list.Add(new DateTime(1980, 5, 5));

list.Add(new DateTime(1982, 10, 20));

list.Add(new DateTime(1984, 1, 4));

list.Add(new DateTime(1979, 6, 19));

Display(SortAscending(list), "SortAscending");

Display(SortDescending(list), "SortDescending");

Display(SortMonthAscending(list), "SortMonthAscending");

Display(SortMonthDescending(list), "SortMonthDescending");

}

static List<DateTime> SortAscending(List<DateTime> list)

{

list.Sort((a, b) => a.CompareTo(b));

return list;

}

static List<DateTime> SortDescending(List<DateTime> list)

{

list.Sort((a, b) => b.CompareTo(a));

return list;

}

static List<DateTime> SortMonthAscending(List<DateTime> list)

{

list.Sort((a, b) => a.Month.CompareTo(b.Month));

return list;

}

static List<DateTime> SortMonthDescending(List<DateTime> list)

{

list.Sort((a, b) => b.Month.CompareTo(a.Month));

return list;

}

static void Display(List<DateTime> list, string message)

{

Console.WriteLine(message);

foreach (var datetime in list)

{

Console.WriteLine(datetime);

}

Console.WriteLine();

}

}