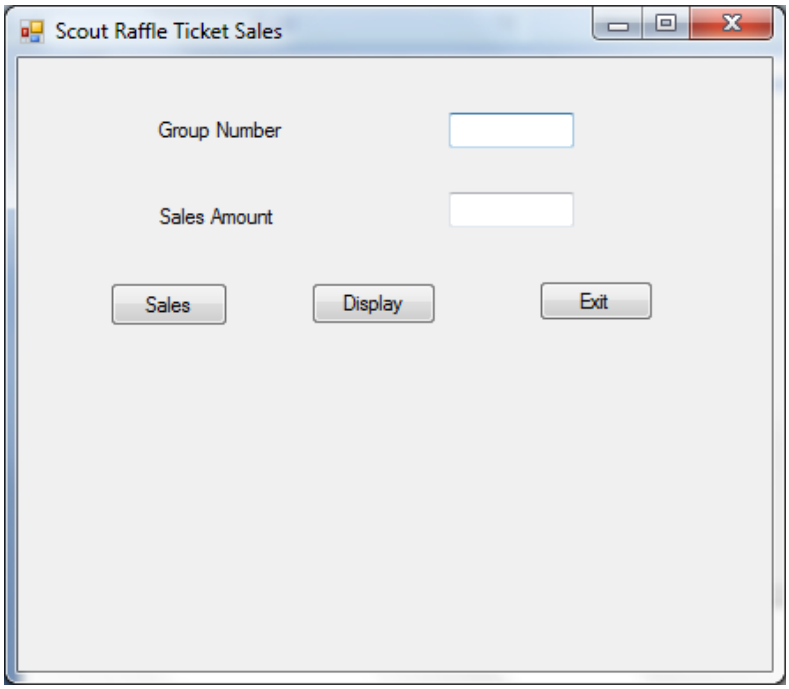
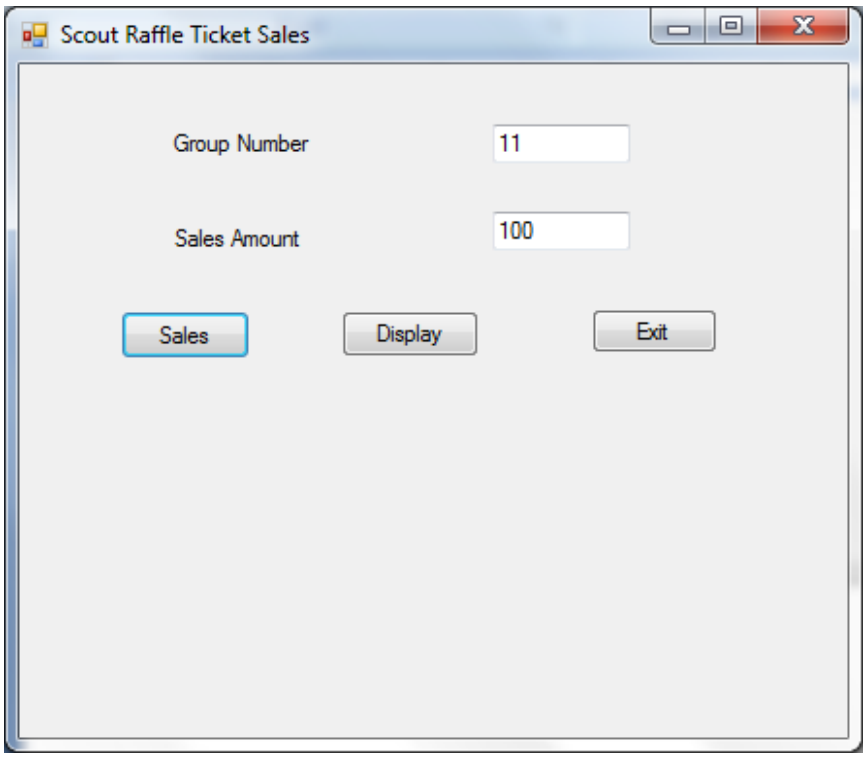
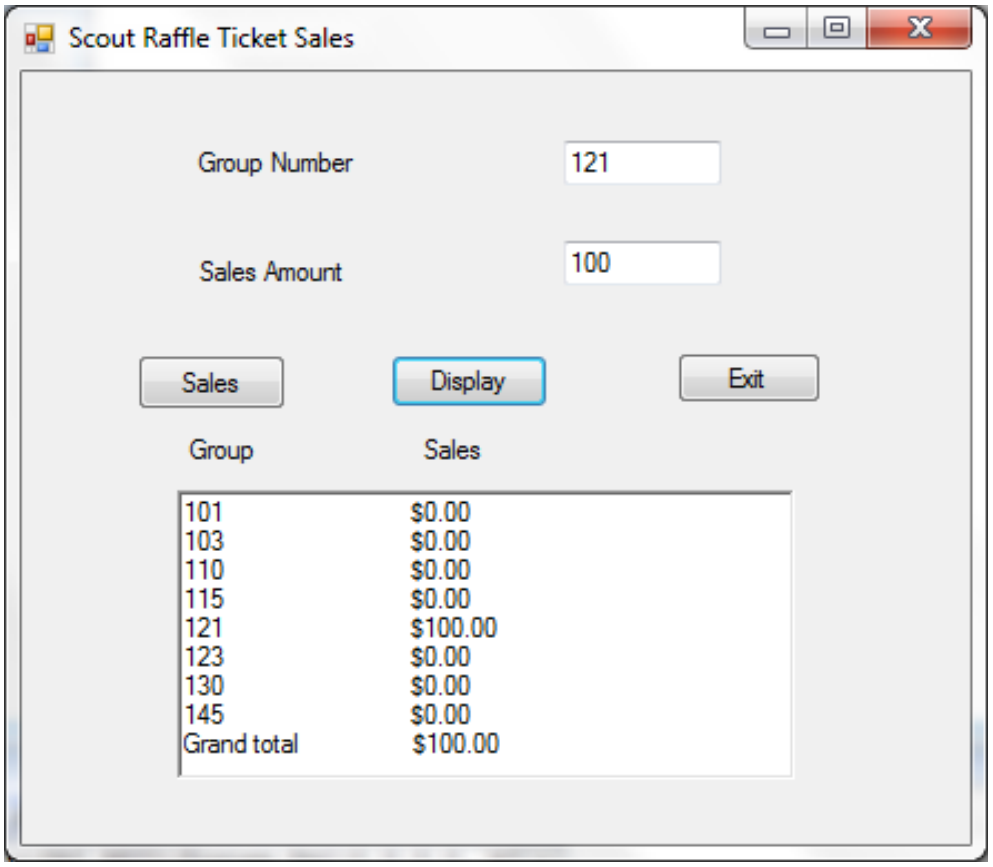
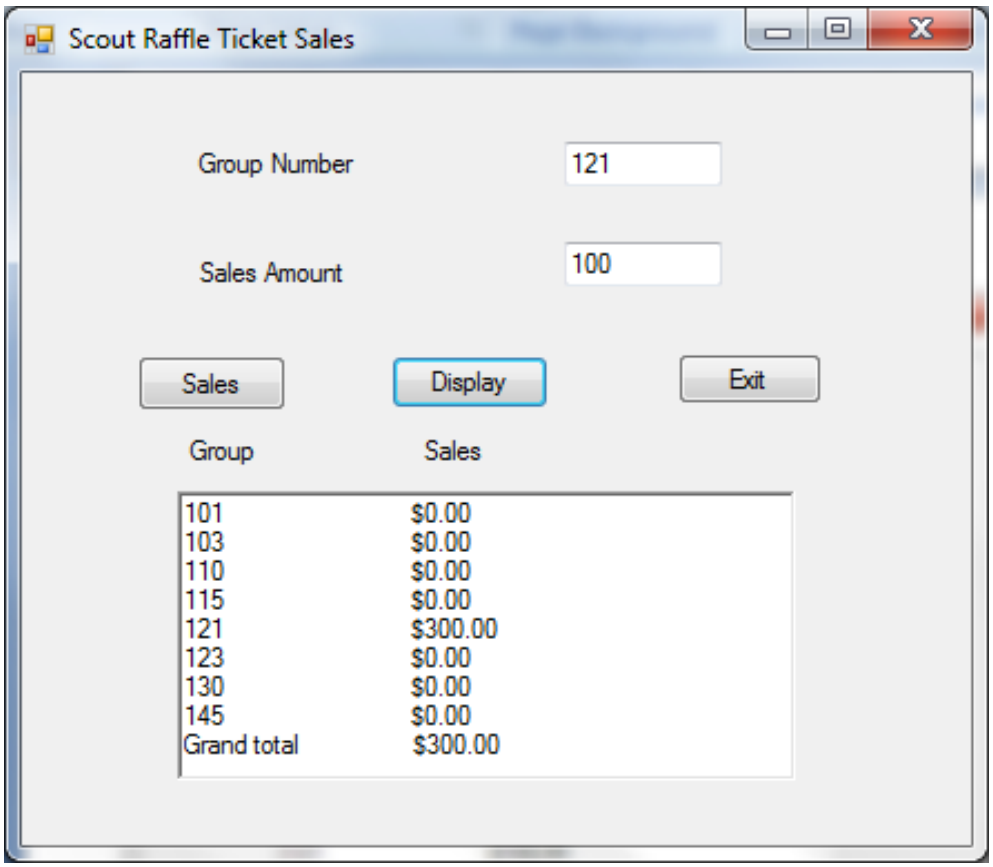
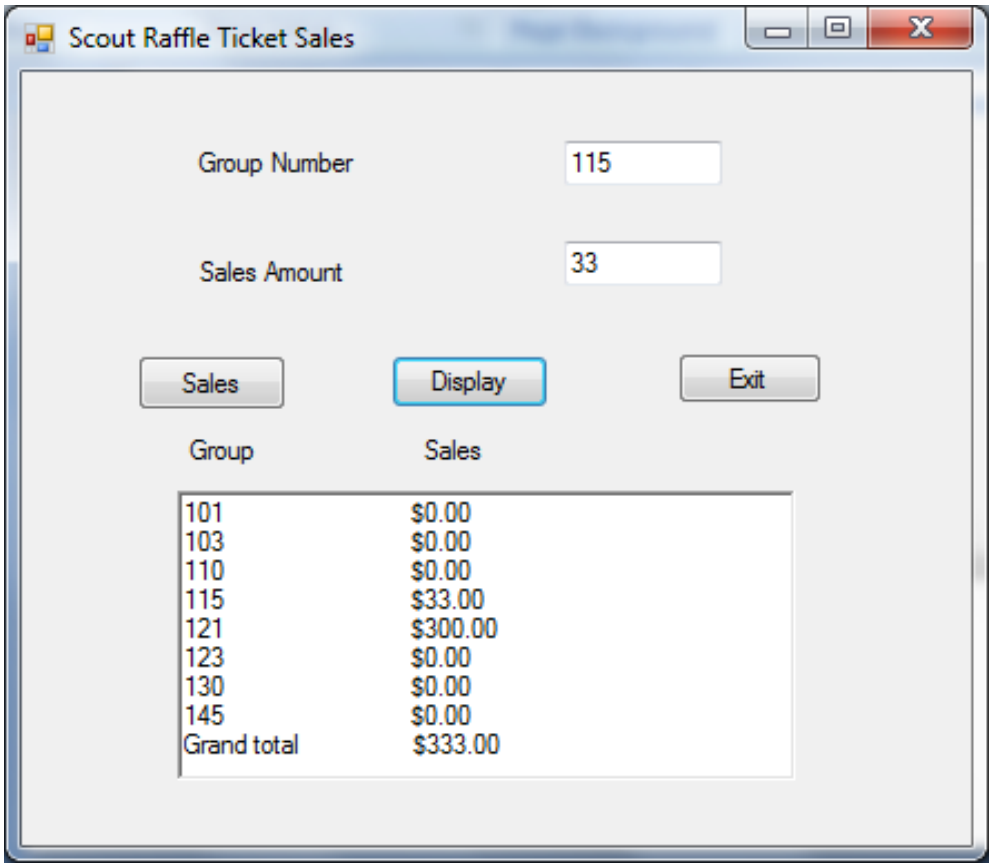
Lab 8 by Bryant Tunbutr

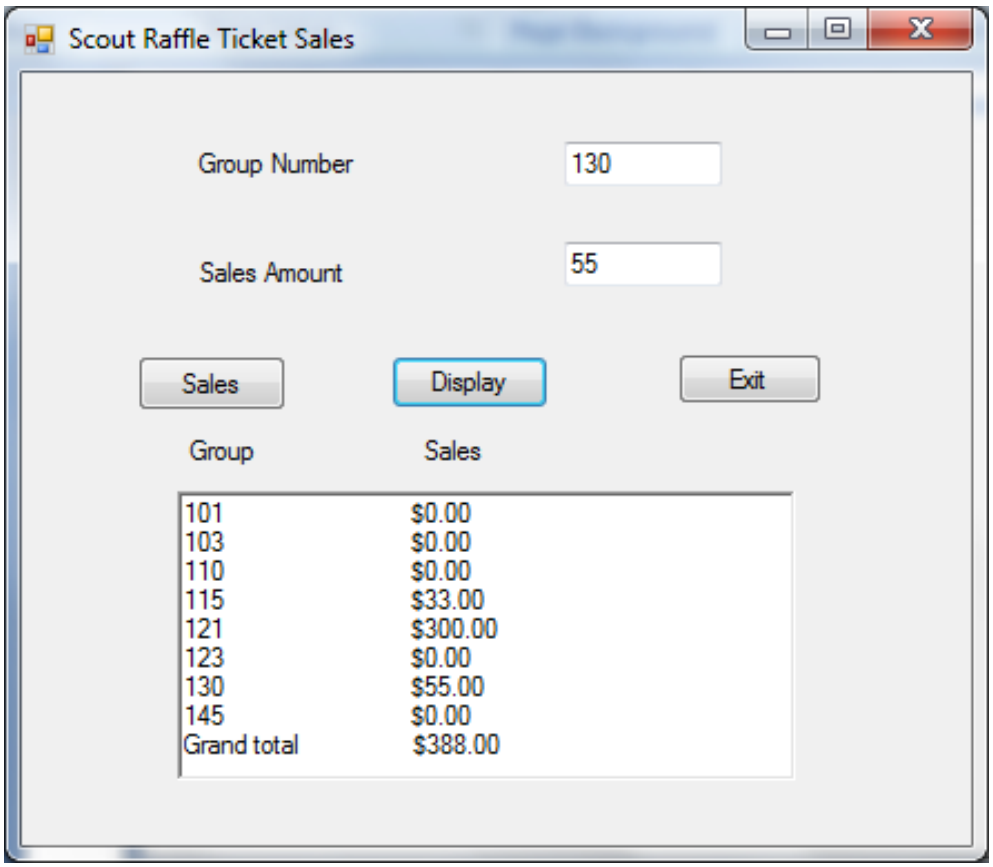





Scout Raffle Ticket Sales
Group Number
121
Sales Amount
100
Sales
Display
Exit
Group
Sales
101 $0.00
103 $0.00
110 $0.00
115 $0.00
121 $100.00
123 $0.00
130 $0.00
145 $0.00
Grand total $100.00


Scout Raffle Ticket Sales
Group Number
121
Sales Amount
100
Sales
Display
Exit
Group
Sales
101 $0.00
103 $0.00
110 $0.00
115 $0.00
121 $300.00
123 $0.00
130 $0.00
145 $0.00
Grand total $300.00


Scout Raffle Ticket Sales
Group Number
115
Sales Amount
33
Sales
Display
Exit
Group
Sales
101 $0.00
103 $0.00
110 $0.00
115 $33.00
121 $300.00
123 $0.00
130 $0.00
145 $0.00
Grand total $333.00


Scout Raffle Ticket Sales
Group Number
130
Sales Amount
55
Sales
Display
Exit
Group
Sales
101 $0.00
103 $0.00
110 $0.00
115 $33.00
121 $300.00
123 $0.00
130 $55.00
145 $0.00
Grand total $388.00

Source code for BTunbutrLab8.cs

```
/*
 * Project:                BTunbutrLab8
 * Programmer:       Bradley/Millspaugh
 * Date:               October 24
 * Description:     Maintain a list of scout orders, display them,
 * use arrays to organize and total orders.
 * I certify that the code below is my own work.
 */

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace Ch08Demo
{
    public partial class SalesForm : Form
    {
        decimal salesTotalDec;

        struct GroupInfo
        {
            public string groupString;
            public decimal totalDecimal;
        }

        GroupInfo[] arrayGroup = new GroupInfo[8];

        public SalesForm()
        {
            InitializeComponent();
        }

        private void exitButton_Click(object sender, EventArgs e)
        {
            Close();
        }

        private void SalesForm_Load(object sender, EventArgs e)
        {
            arrayGroup[0].groupString = "101";
            arrayGroup[1].groupString = "103";
            arrayGroup[2].groupString = "110";
            arrayGroup[3].groupString = "115";
            arrayGroup[4].groupString = "121";
            arrayGroup[5].groupString = "123";
            arrayGroup[6].groupString = "130";
            arrayGroup[7].groupString = "145";
        }
```

```
        private void salesButton_Click(object sender, EventArgs e)
        {
            int i = 0;
            bool foundBool = false;
            decimal salesDec;

            do
            {
                if (groupTextBox.Text == arrayGroup[i].groupString)
                {
                    salesDec = decimal.Parse(salesTextBox.Text);
                    arrayGroup[i].totalDecimal += salesDec;
                    foundBool = true;
                    salesTotalDec += salesDec;
                }
                else
                    i++;
            } while (i < 8 && !foundBool);

            if (!foundBool)
                MessageBox.Show("Invalid group!");

        }

        private void displayButton_Click(object sender, EventArgs e)
        {
            var sb = new StringBuilder();

            foreach (GroupInfo oneGroup in arrayGroup)
                sb.AppendFormat(oneGroup.groupString + "
"
                    + oneGroup.totalDecimal.ToString("C") +
System.Environment.NewLine);
            displayRichTextBox.Text = sb.ToString() + "Grand total"
            + "                  " + salesTotalDec.ToString("C");

            salesLabel.Visible = true;
            groupLabel.Visible = true;
            displayRichTextBox.Visible = true;

        }
    }
}
```

Do not use a list box for this program, but a list box is probably a better alternative than a text box for specifying the group number for this lab. Explain why.

It is easier for the user to select items, plus a list box is easier to code because can simply use switch statements.