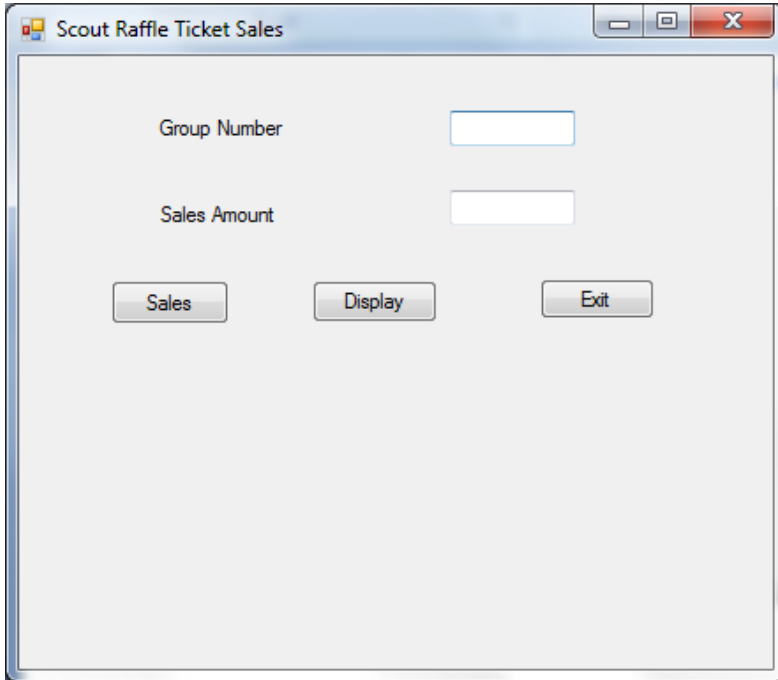
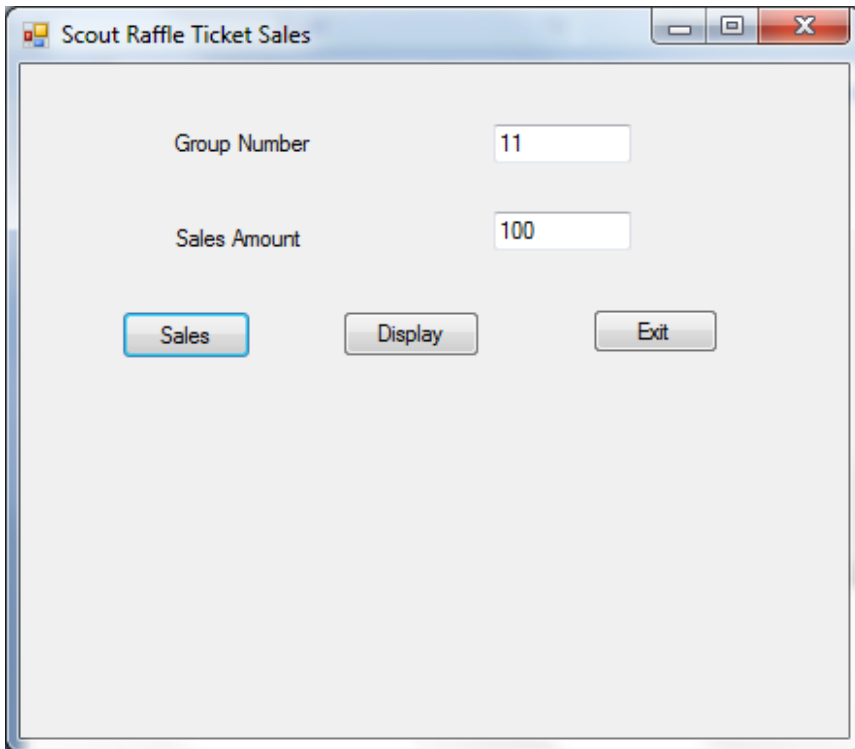


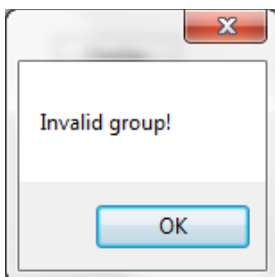
Lab 8 by Bryant Tunbutr



A screenshot of a Windows application window titled "Scout Raffle Ticket Sales". The window has a standard Windows XP-style title bar with minimize, maximize, and close buttons. The main area is light gray and contains two labels, "Group Number" and "Sales Amount", each followed by a text input field. Below the input fields are three buttons: "Sales", "Display", and "Exit".



A screenshot of the same "Scout Raffle Ticket Sales" window. The "Group Number" input field now contains the text "11" and the "Sales Amount" input field contains the text "100". The "Sales" button is highlighted with a blue border, indicating it is the active or focused element.



A small error dialog box with a title bar containing a close button. The main text area displays the message "Invalid group!". At the bottom, there is a single button labeled "OK".

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

Sales Amount

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

Sales Amount

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.