

```
Public Class BookSaleForm
```

```
    ' Declare module-level variables and constants.
```

```
    Private QuantitySumInteger, SaleCountInteger As Integer
```

```
    Private DiscountSumDecimal, DiscountedPriceSumDecimal As Decimal
```

```
    Const DISCOUNT_RATE_Decimal As Decimal = 0.15D
```

```
    Private Sub PrintButton_Click(ByVal sender As System.Object,
```

```
        ByVal e As System.EventArgs) Handles PrintButton.Click
```

```
        ' Print the form.
```

```
        PrintForm1.PrintAction = Printing.PrintAction.PrintToPreview
```

```
        PrintForm1.Print()
```

```
    End Sub
```

```
    Private Sub CalculateButton_Click(ByVal sender As System.Object,
```

```
        ByVal e As System.EventArgs) Handles CalculateButton.Click
```

```
        ' Calculate the price and discount.
```

```
        Dim QuantityInteger As Integer
```

```
        Dim PriceDecimal, ExtendedPriceDecimal, DiscountDecimal,
```

```
            DiscountedPriceDecimal, AverageDiscountDecimal As Decimal
```

```
        Try
```

```
            ' Convert quantity to numeric variable.
```

```
            QuantityInteger = Integer.Parse(QuantityTextBox.Text)
```

```
        Try
```

```
            ' Convert price if quantity was successful.
```

```
            PriceDecimal = Decimal.Parse(PriceTextBox.Text)
```

```
            ' Calculate values for sale.
```

```
            ExtendedPriceDecimal = QuantityInteger * PriceDecimal
```

```
            DiscountDecimal = Decimal.Round(
```

```
                (ExtendedPriceDecimal * DISCOUNT_RATE_Decimal), 2)
```

```
            DiscountedPriceDecimal = ExtendedPriceDecimal - DiscountDecimal
```

```
            ' Calculate summary values.
```

```
            QuantitySumInteger += QuantityInteger
```

```
            DiscountSumDecimal += DiscountDecimal
```

```
            DiscountedPriceSumDecimal += DiscountedPriceDecimal
```

```
            SaleCountInteger += 1
```

```
            AverageDiscountDecimal = DiscountSumDecimal / SaleCountInteger
```

```
            ' Format and display answers for the sale.
```

```
            ExtendedPriceTextBox.Text = ExtendedPriceDecimal.ToString("C")
```

```
            DiscountTextBox.Text = DiscountDecimal.ToString("N")
```

```
            DiscountedPriceTextBox.Text = DiscountedPriceDecimal.ToString("C")
```

```
            ' Format and display summary values.
```

```
            QuantitySumTextBox.Text = QuantitySumInteger.ToString()
```

```
            DiscountSumTextBox.Text = DiscountSumDecimal.ToString("C")
```

```
            DiscountAmountSumTextBox.Text = DiscountedPriceSumDecimal.ToString("C")
```

```
            AverageDiscountTextBox.Text = AverageDiscountDecimal.ToString("C")
```

```
        Catch PriceException As FormatException
```

```
            ' Handle a price exception.
```

```
            MessageBox.Show("Price must be numeric.", "Data Entry Error",
```

```
                MessageBoxButtons.OK, MessageBoxIcon.Exclamation)
```

```
            With PriceTextBox
```

```
                .Focus()
```

```
                .SelectAll()
```

```
            End With
```

```
        End Try
```