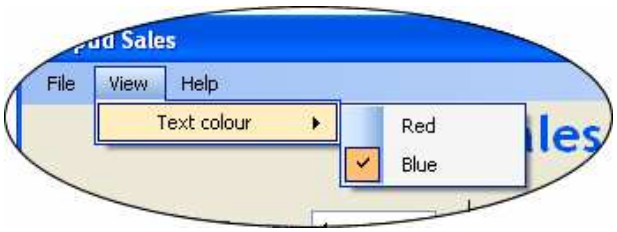
Programming (Visual Basic) – Exercise

Spuds

Spud Sales sells 50 KG bags of potatoes from as little as 1 bag to drive-by customers to wholesale orders from supermarkets. The price per bag is dependant on how many bags are sold. Use a case structure to determine the price of each bag.

Bags sold	Price
Up to 5	$12.50
Up to 25	$10.00
Over 25	$8.50

Menu layout



Menu functionality

Create a menu with the following structure:

File	View	Help
Clear	Text colour	About
Exit	Red	
	✓ Blue	

On the click event of the 'About' button pop up a message box showing information about the program such as the program name, program creator, and what the program does.

On the click event of the 'Exit' menu item call the procedure for the 'Exit' button. Do not write the code out again to close the form.

On the click event of the 'Clear' menu item call the procedure for the 'Clear' button. Do not write the code out again to clear the form.

On the click event of the 'Red' menu item, change the colour of the text in the description labels to Red. Uncheck the 'Blue' menu item.

On the click event of the 'Blue' menu item, change the colour of the text in the description labels to Blue. Uncheck the 'Red' menu item.

Instead of writing code to change the colour of the labels in each procedure, create a function to change the colour of the labels which will then be called from both event procedures:

```
Private Sub setColor(ByVal newColour As Color)
    amtLabel.ForeColor = newColour
    bagLabel.ForeColor = newColour
    amtDueLabel.ForeColor = newColour
    totalSoldLabel.ForeColor = newColour
End Sub
```

Call the function the following way when the red menu item is clicked:

```
setColor(Color.Red)
```

Create a function to calculate the total price:

```
Private Function calculatePrice(ByVal bagsInteger As Integer, _
        ByVal amtDecimal As Decimal) As Decimal
    Dim calcAmtDecimal As Decimal
    calcAmtDecimal = amtDecimal * bagsInteger
    Return calcAmtDecimal
End Function
```

Call the function the following way:

```
orderPriceDecimal = calculatePrice(bagAmtInteger, bagPriceDecimal)
```