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COMPUTER PROGRAMMING

DECISION INSTRUCTION – 3 (Exercise)

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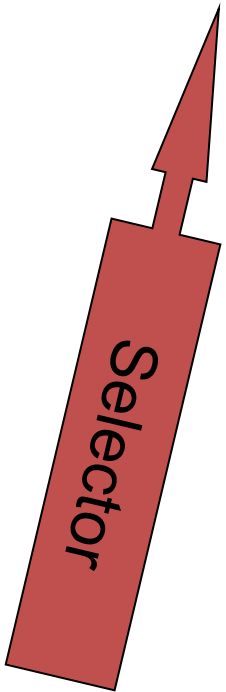
Exercise 11 – Select Case (Form)

The image shows a screenshot of a Windows application window titled "Form1". The window contains the following elements:

- A label "Finishing position" with the text "(1, 2, 3, ...)" below it.
- A white text box to the right of the label, indicated by an arrow from the label "Textbox1".
- A grey button labeled "Evaluate Position" below the text box.
- A yellow text box below the button, indicated by an arrow from the label "Textbox2".

Exercise 11 – Select Case (Code)

```
Dim position As String
Select Case TextBox1.Text
    Case "1" ←
        position = "Champion!!!"
    Case "2" ←
        position = "First Runner-Up"
    Case "3" ←
        position = "Second Runner-Up"
    Case Else ←
        position = "Try again"
End Select
TextBox2.Text = position
```

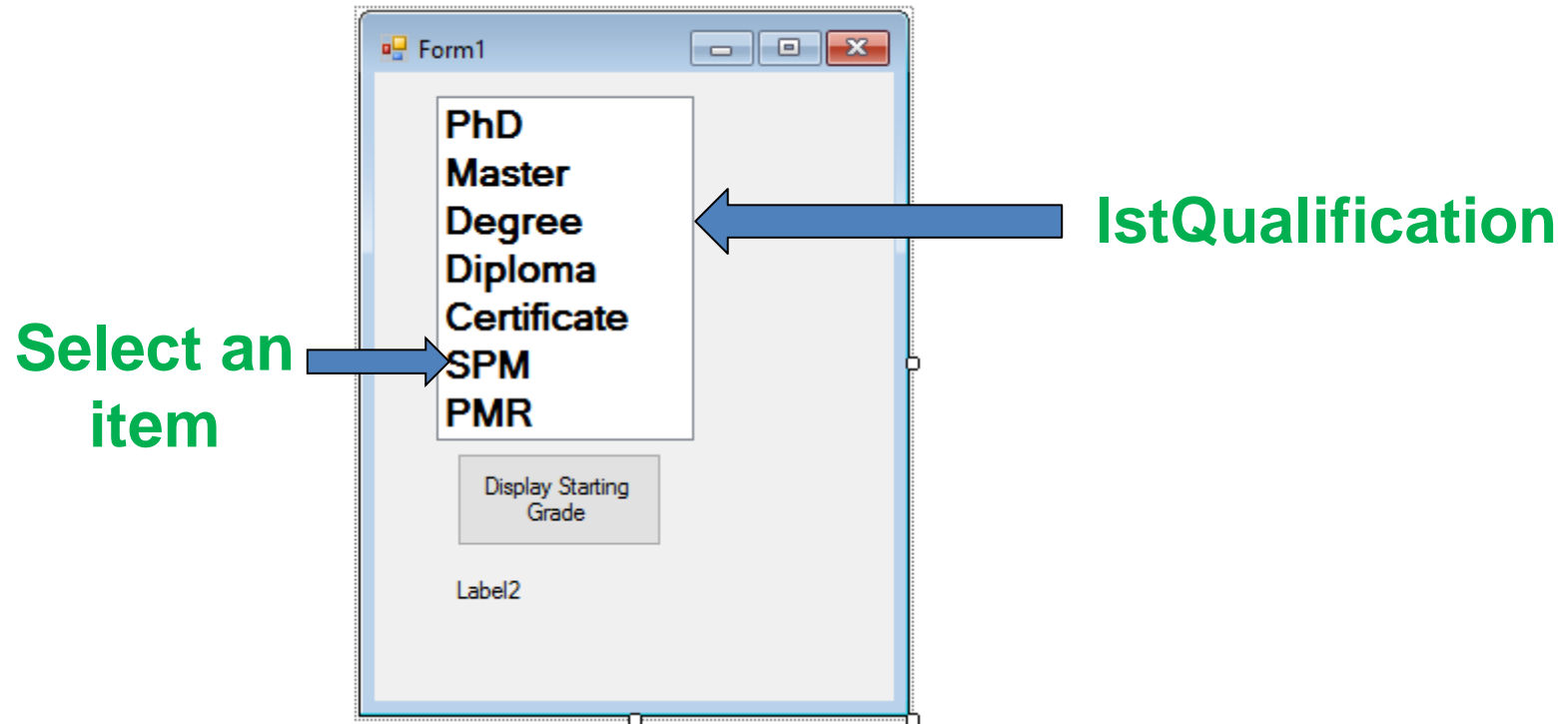


Value Lists

Exercise 11 – Select Case (Output)

The screenshot shows a Windows application window titled "Form1". Inside the window, there is a label "Finishing position" with a subtitle "(1, 2, 3, ...)" below it. To the right of the label is a text input field containing the number "1". Below the input field is a large grey button with the text "Evaluate Position". Below the button is a yellow rectangular box containing the text "Champion!!!".

Exercise 12 – Listbox (Form)

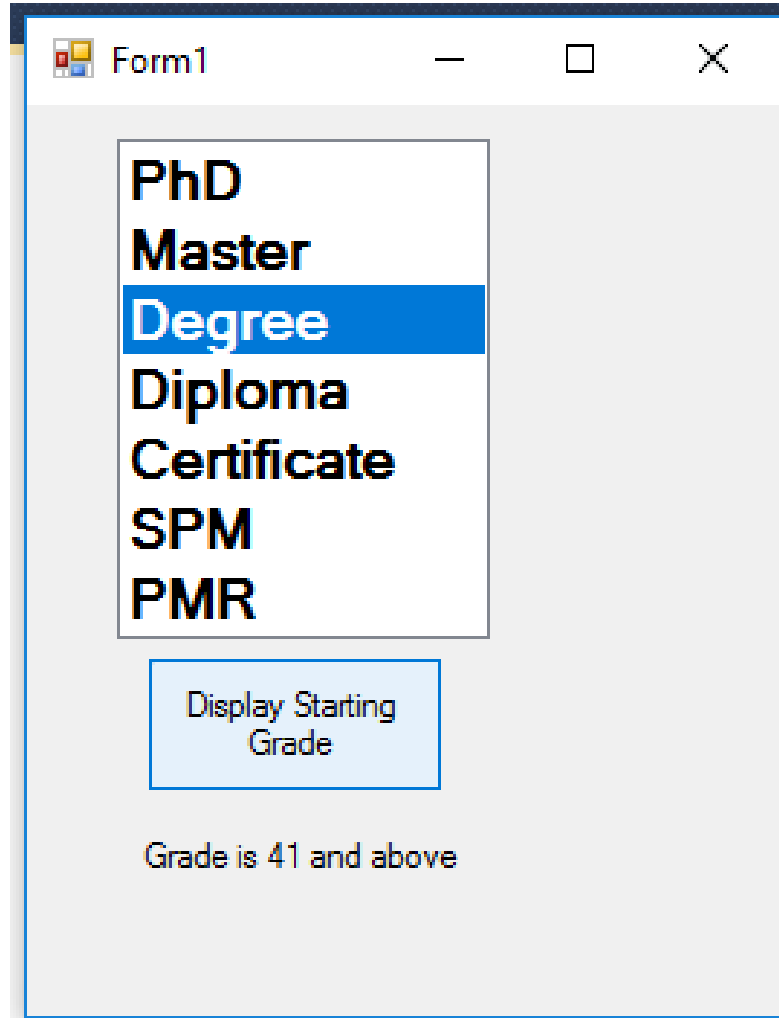


- The value of `IstQualification.Text` is the string consisting of the selected item.

Exercise 12 – Listbox (Code)

- `Dim qualification As String`
`Select Case lstQualification.Text`
 - `Case "PhD", "Degree", "Master"`
`qualification = "Grade is 41 and above"`
 - `Case "Diploma"`
`qualification = "Grade is between 27 to 36"`
 - `Case "Certificate"`
`qualification = "Grade is between 17 to 27"`
 - `Case Else`
`qualification = "Grade is below 17"``End Select`
`lblGrade.Text = qualification`

Exercise 12 – Listbox (Output)



Exercise 13 – Radio Button and Group Box (Form and Code)

The screenshot shows a Windows Form titled "Form1". Inside the form, there is a group box labeled "Sessions". Within this group box, there are four radio buttons arranged vertically, labeled "Spring", "Summer", "Autumn", and "Winter". Below the group box, there is a button labeled "Display Month" and an empty text box.

```
If radSpring.Checked Then
    txtMonth.Text = "Jan - March"
ElseIf radSummer.Checked Then
    txtMonth.Text = "April - June"
ElseIf radAutumn.Checked Then
    txtMonth.Text = "July - Sep"
Else radWinter.Checked Then
    txtMonth.Text = "Oct - Dec"
End If
```


Exercise 13 – Radio Button and Group Box (Output)

Form1

Sessions

Spring

Summer

Autumn

Winter

Display Month

April - June

Form1

Sessions

Spring

Summer

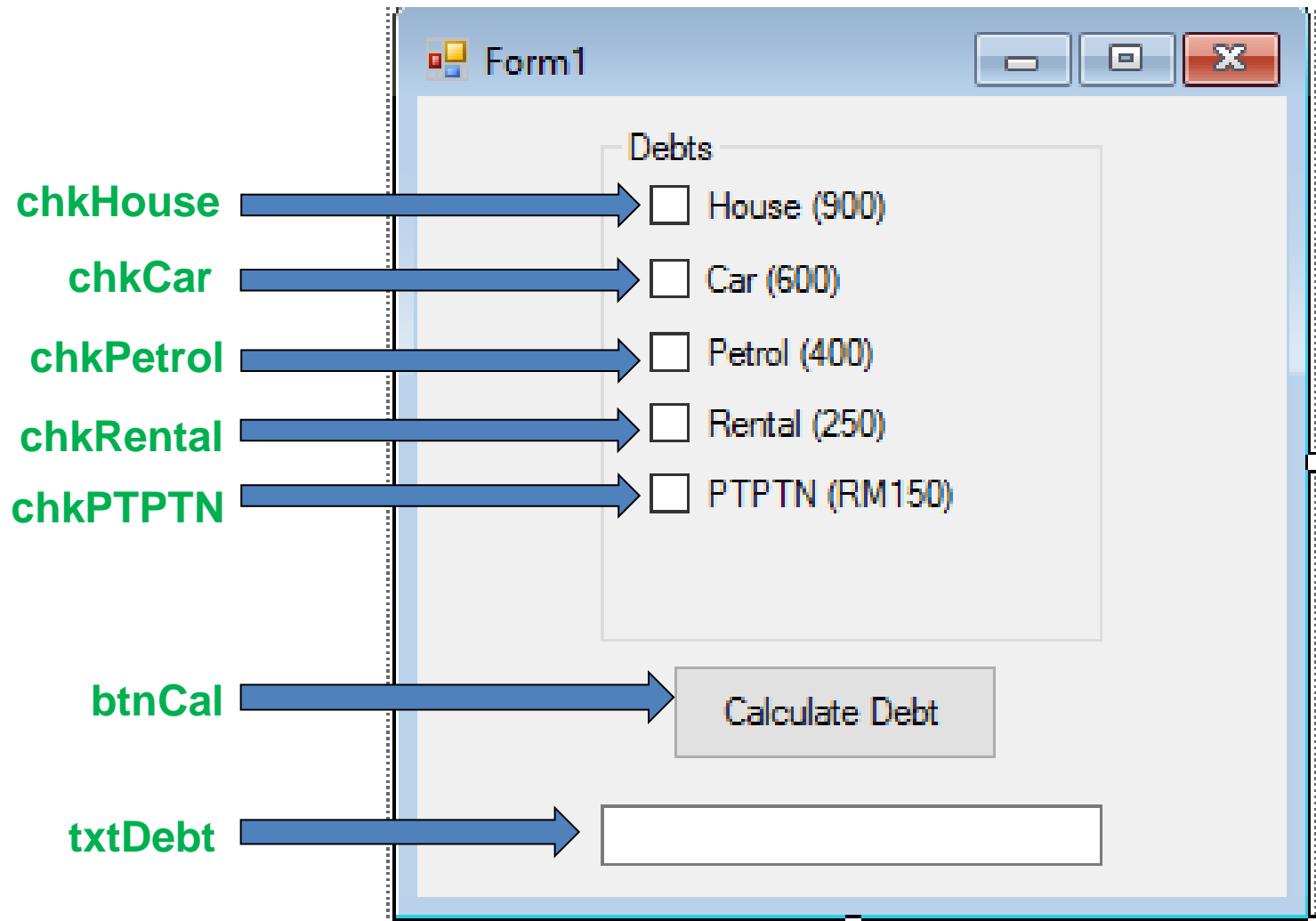
Autumn

Winter

Display Month

Oct - Dec

Exercise 14 – Check List & Group Box (Form)



Exercise 14 – Check List (Code and Output)

```
Dim cost As Single
If chkHouse.Checked Then
cost += 900
End If
If chkCar.Checked Then
cost += 600
End If
If chkPetrol.Checked Then
cost += 400
End If
If chkRental.Checked Then
cost += 250
End If
If chkPTPTN.Checked Then
cost += 150
End If
txtDebt.Text = "Total cost = " & cost
```

The screenshot shows a Windows application window titled "Form1". Inside the window, there is a section titled "Debts" containing a list of items with checkboxes:

- House (900)
- Car (600)
- Petrol (400)
- Rental (250)
- PTPTN (RM150)

Below the list is a button labeled "Calculate Debt". At the bottom of the form, a text box displays the result: "Total cost = 1300".