**Objectives**

**Program Purpose**
- Display 2 messages
- Clear the messages
- Exit the program

**Learning Goals**
- To create a simple Visual Basic Program
- To display text in a textbox
- To clear text from a textbox
- To use command buttons

**Design Notes**
When creating the command buttons, set the font for the first one, then copy and paste it.
When copying & pasting, the application will ask the question: “Do you want to create a control array?”
It is very important to answer **No!**

**Interface**
The picture below shows an example interface for this task. You could copy this one exactly, or you may prefer to design your own.

![Interface Example](image)

**Names of Objects**

<table>
<thead>
<tr>
<th>Type of Object</th>
<th>Number</th>
<th>Names of Objects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>1</td>
<td>Form1</td>
</tr>
<tr>
<td>TextBox</td>
<td>1</td>
<td>txtOut</td>
</tr>
<tr>
<td>Command Buttons</td>
<td>4</td>
<td>cmdHello, cmdGoodbye, cmdClear, cmdExit</td>
</tr>
</tbody>
</table>
Initial Properties of Objects

<table>
<thead>
<tr>
<th>Object</th>
<th>Property</th>
<th>Initial Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form1</td>
<td>Caption</td>
<td>Hello, Universe!</td>
</tr>
<tr>
<td>txtOut</td>
<td>Text</td>
<td>**</td>
</tr>
<tr>
<td></td>
<td>Font</td>
<td>Bold, 12</td>
</tr>
<tr>
<td>cmdHello</td>
<td>Caption</td>
<td>&amp;Hello</td>
</tr>
<tr>
<td></td>
<td>Font</td>
<td>Bold, 12</td>
</tr>
<tr>
<td>cmdGoodbye</td>
<td>Caption</td>
<td>&amp;Goodbye</td>
</tr>
<tr>
<td></td>
<td>Font</td>
<td>Bold, 12</td>
</tr>
<tr>
<td>cmdClear</td>
<td>Caption</td>
<td>&amp;Clear</td>
</tr>
<tr>
<td></td>
<td>Font</td>
<td>Bold, 12</td>
</tr>
<tr>
<td>cmdExit</td>
<td>Caption</td>
<td>E&amp;xit</td>
</tr>
<tr>
<td></td>
<td>Font</td>
<td>Bold, 12</td>
</tr>
</tbody>
</table>

Events – Code

```
Private Sub cmdClear_Click()
    txtOut.Text ="
End Sub

Private Sub cmdExit_Click()
    End
End Sub

Private Sub cmdGoodbye_Click()
    txtOut.Text = "Goodbye, Universe!"
End Sub

Private Sub cmdHello_Click()
    txtOut.Text = "Hello, Universe!"
End Sub
```

Suggestions for Consolidation & Extension

1. Modify the program to display additional messages by adding additional text boxes and command buttons.

2. Experiment with these properties of the text box:
   - Alignment
   - Appearance,
   - BackColor,
   - BorderStyle
   - Font
   - Multiline

3. Experiment with these properties of the command buttons:
   - Appearance
   - BackColor
   - Font
   - Style
   - ToolTipText