

For each exercise, circle message box statement(s) that executes. **If there is a logic error, print logic error & explain it.**

1.

```
grade = 85

If (grade >= 90) Then
    MessageBox.Show("You earned an A.")
ElseIf (grade >= 80) Then
    MessageBox.Show("You earned a B.")
ElseIf (grade >= 70) Then
    MessageBox.Show("You earned a C.")
Else
    MessageBox.Show("You earned a D or F.")
End If
```

2.

```
grade = 71

If (grade >= 90) Then
    MessageBox.Show("You earned an A.")
ElseIf (grade >= 80 And grade < 90) Then
    MessageBox.Show("You earned a B.")
ElseIf (grade >= 70 And grade < 80) Then
    MessageBox.Show("You earned a C.")
Else
    MessageBox.Show("You earned a D or F.")
End If
```

3.

```
grade = 85

If (grade >= 60) Then
    MessageBox.Show("You earned a D.")
ElseIf (grade >= 70) Then
    MessageBox.Show("You earned a C.")
ElseIf (grade >= 80) Then
    MessageBox.Show("You earned a B.")
ElseIf (grade >= 90) Then
    MessageBox.Show("You earned an A.")
End If
```

4.

```
grade = 81

If (grade >= 90) Then
    If (grade > 92) Then
        MessageBox.Show("You earned an A.")
    Else
        MessageBox.Show("You earned an A-.")
    End If
ElseIf (grade >= 80) Then
    MessageBox.Show("You earned a B.")
Else
    MessageBox.Show("You earned a C, D, or F.")
End If
```

5.

```
grade = 75
If (grade > 100 Or grade < 0) Then
    MessageBox.Show("A software error occurred.")
ElseIf (grade > 0 And grade <= 50) Then
    MessageBox.Show("You did poorly.")
Else
    MessageBox.Show("You did fine.")
End If
```