

5.2 Try to walkthrough the following program and write down the expected results. Key-in the program and compare the results after execution. This program shows the change of values of index in a *nested for loop*.

**Step 1:** Create a form with two command buttons and one picture box according to the properties table below

### Properties Table

Object	Property	Setting
Form	Name	frmTableDisplay
	Caption	Displaying a table by for loop
Command Button	Name	cmdDisplay
	Caption	&Display Table
Command Button	Name	cmdExit
	Caption	&Exit
Picture Box	Name	picOutput
	Caption	(empty)

### Layout



**Step 2 :** *Add codes for the events*  
*cmdDisplay\_Click()*  
*cmdExit*

Codes for **cmdDisplay**

```
Private Sub cmdDisplay_Click()  
    Dim i As Integer, j As Integer, Sum As Integer  
  
    picOutput.Cls  
    For i = 1 To 3  
        For j = 1 To 4  
            Sum = i + j  
            picOutput.Print "i = "; i; ", j = "; j; ", i + j = "; Sum  
        Next j  
    Next i  
  
    picOutput.Print  
    picOutput.Print "End of Program"  
End Sub
```

Codes for **cmdExit**

```
Private Sub cmdExit_Click()  
    End  
End Sub
```

**Step 3 :** *Execution*

Click the **Display Table** command button.  
Terminate the program by clicking the **Exit** button