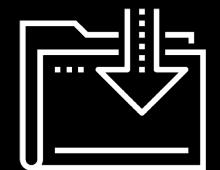




Scripting Practice in VBA

Data Boot Camp

Lesson 2.3



Words of Advice

Advice #1 - Plan, Prioritize and Focus

The Eisenhower Decision Matrix



Pomodoro Technique



Advice #2

If you ever spend more than 3 hours on homework in a week without seeing progress, ask for help!

- Join a Study Group
#study-groups
- Get Tutor Help
AskBCS Learning Assistant



Advice #3 : Create your own a study space



Invest in a second monitor

2nd monitor
→ 2x power

Questions?



Refresher

Explain to a Baby

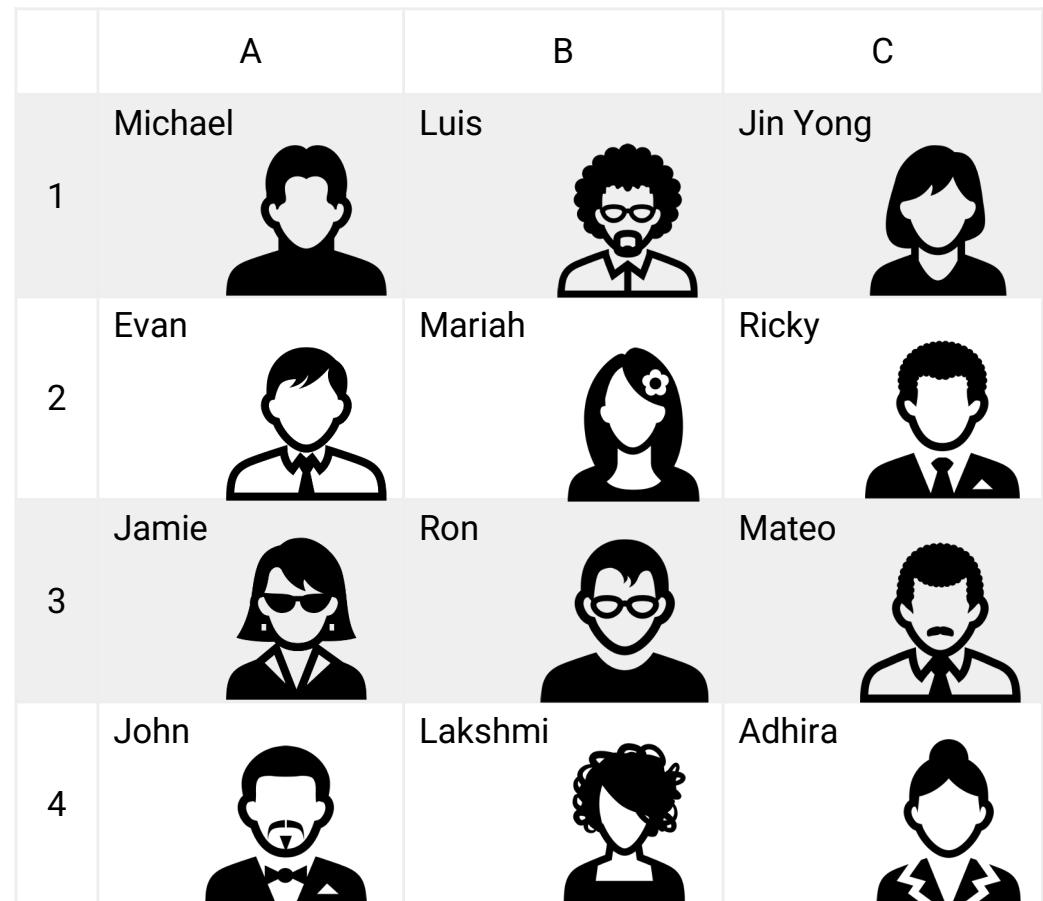
What is a for loop?



What Will This Code Do?

```
Sub QuickLoop()
    For i = 1 to 3
        MsgBox(Cells(i, 1))
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



What Will This Code Do?

When:

i = 1

```
Sub QuickLoop()
    For i = 1 to 3
        MsgBox(Cells(i, 1))
    Next i
End Sub
```

	A	B	C
1	Michael i = 1	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira

What Will This Code Do?

When:

i = 2

```
Sub QuickLoop()
    For i = 1 to 3
        MsgBox(Cells(i, 1))
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan i = 2	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira

What Will This Code Do?

When:

i = 3

```
Sub QuickLoop()
    For i = 1 to 3
        MsgBox(Cells(i, 1))
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie i = 3	Ron	Mateo
4	John	Lakshmi	Adhira

What Will This Code Do?

Not going to:

i = 4

```
Sub QuickLoop()
    For i = 1 to 3
        MsgBox(Cells(i, 1))
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie i = 3	Ron	Mateo
4	John	Lakshmi	Adhira

Explain to a Baby

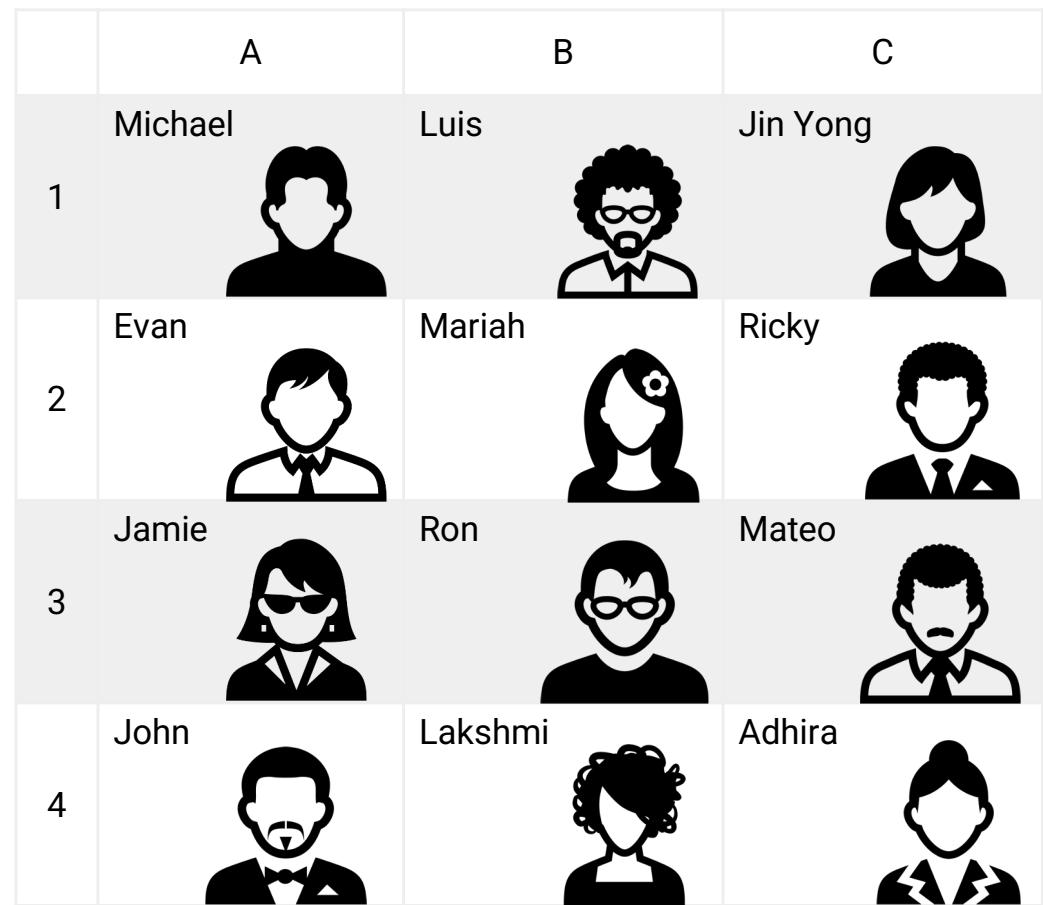
What is a nested for loop?



What Will This Code Do?

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



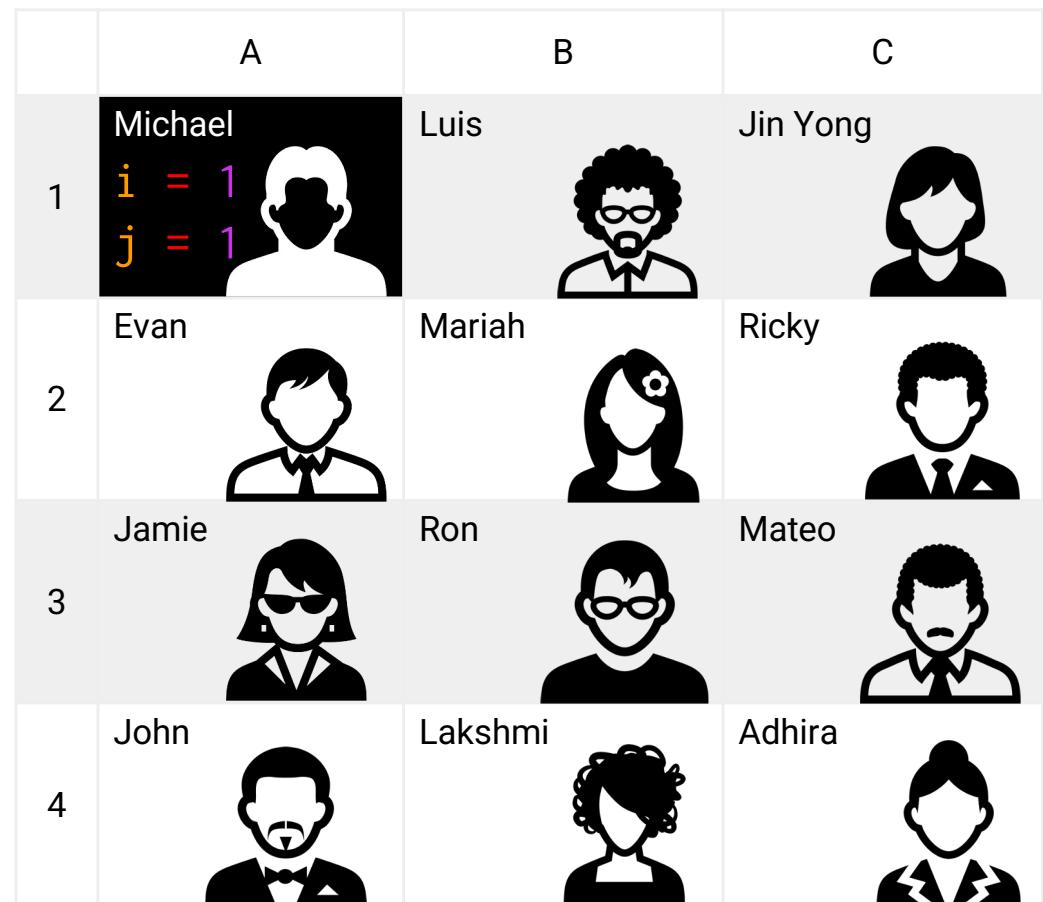
What Will This Code Do?

When:

i = 1 j = 1

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael i = 1 j = 1	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



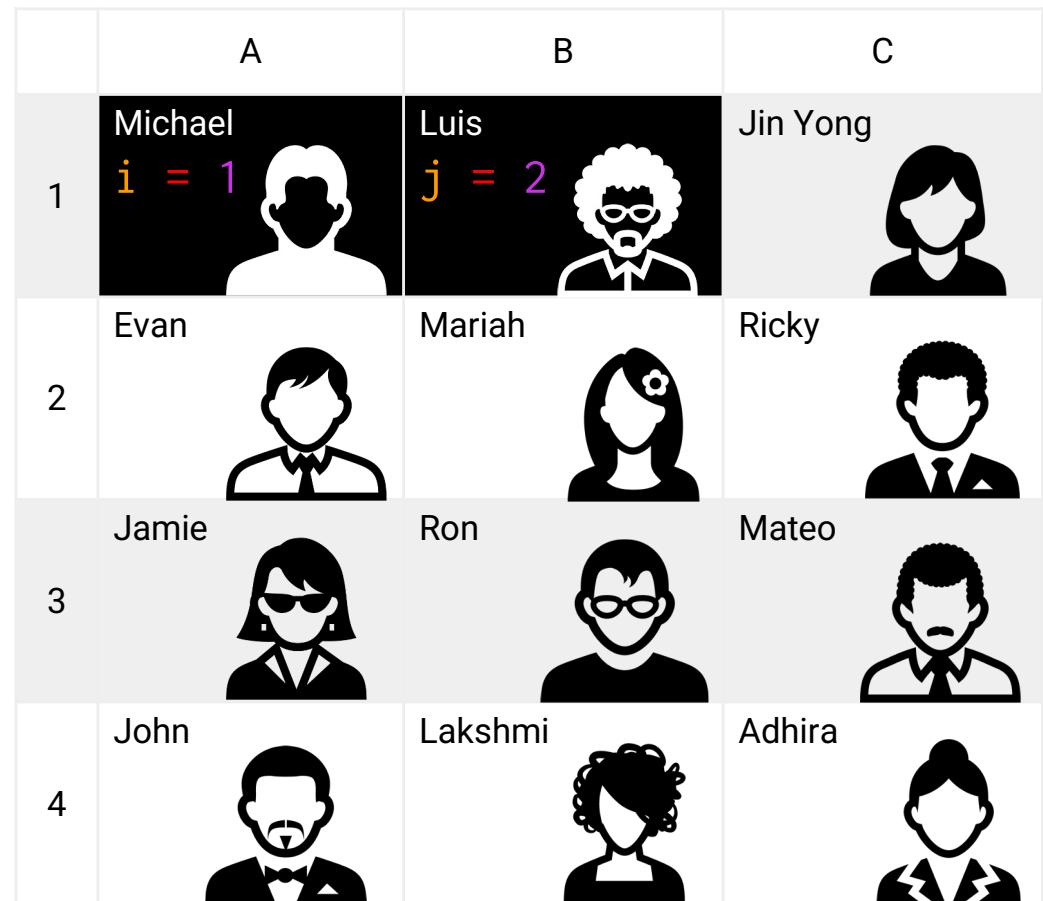
What Will This Code Do?

When:

i = 1 j = 2

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael i = 1	Luis j = 2	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



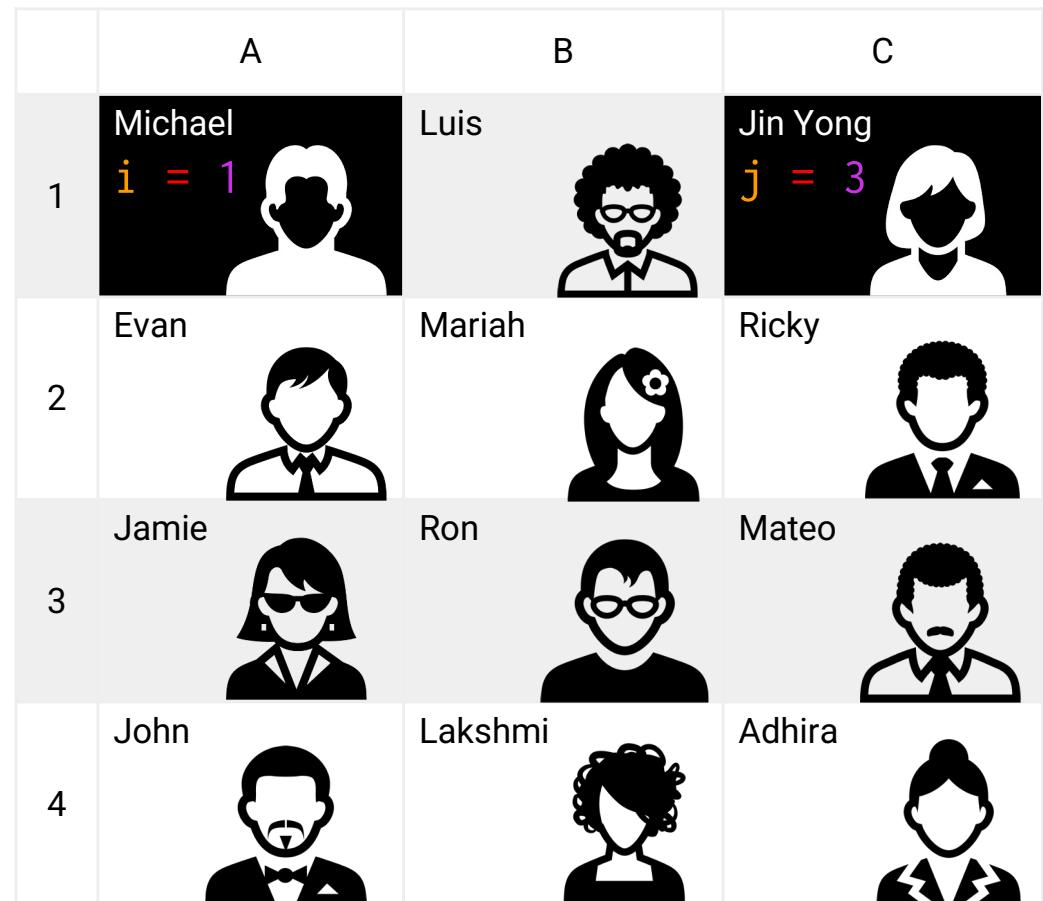
What Will This Code Do?

When:

i = 1 j = 3

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael i = 1	Luis	Jin Yong j = 3
2	Evan	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



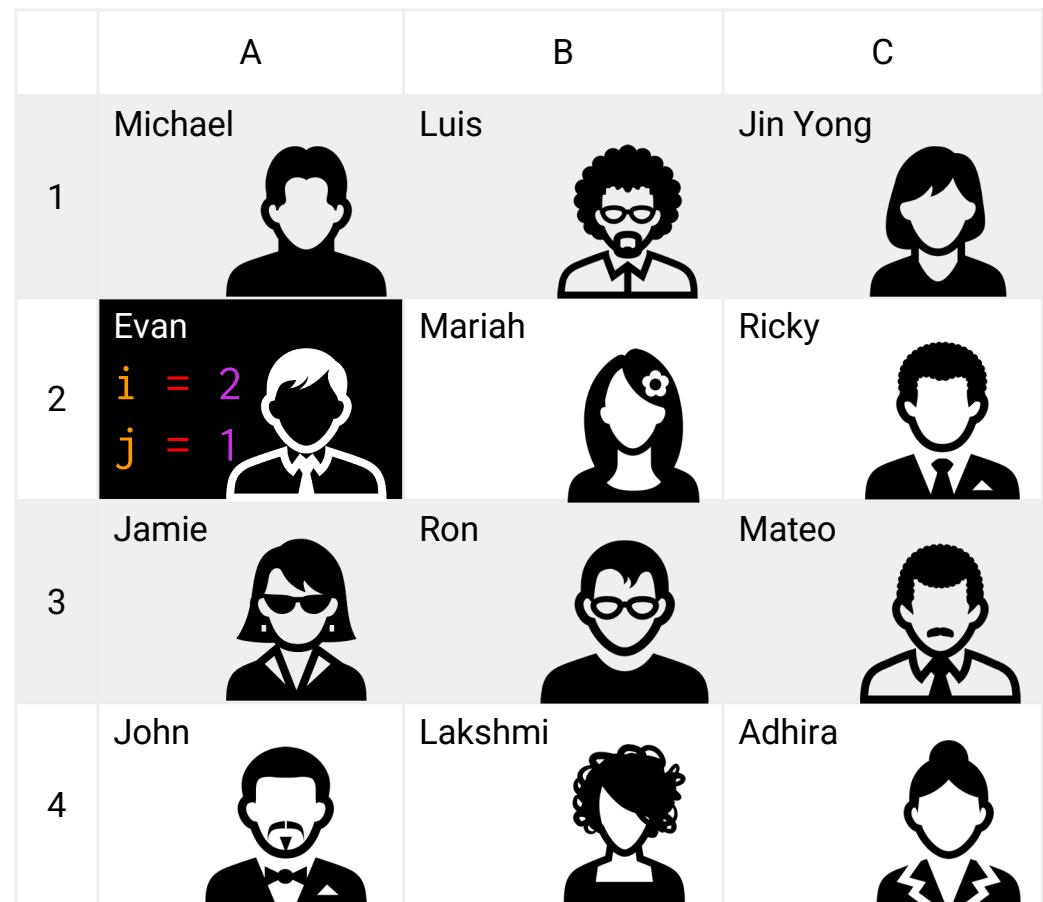
What Will This Code Do?

When:

i = 2 j = 1

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan i = 2 j = 1	Mariah	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



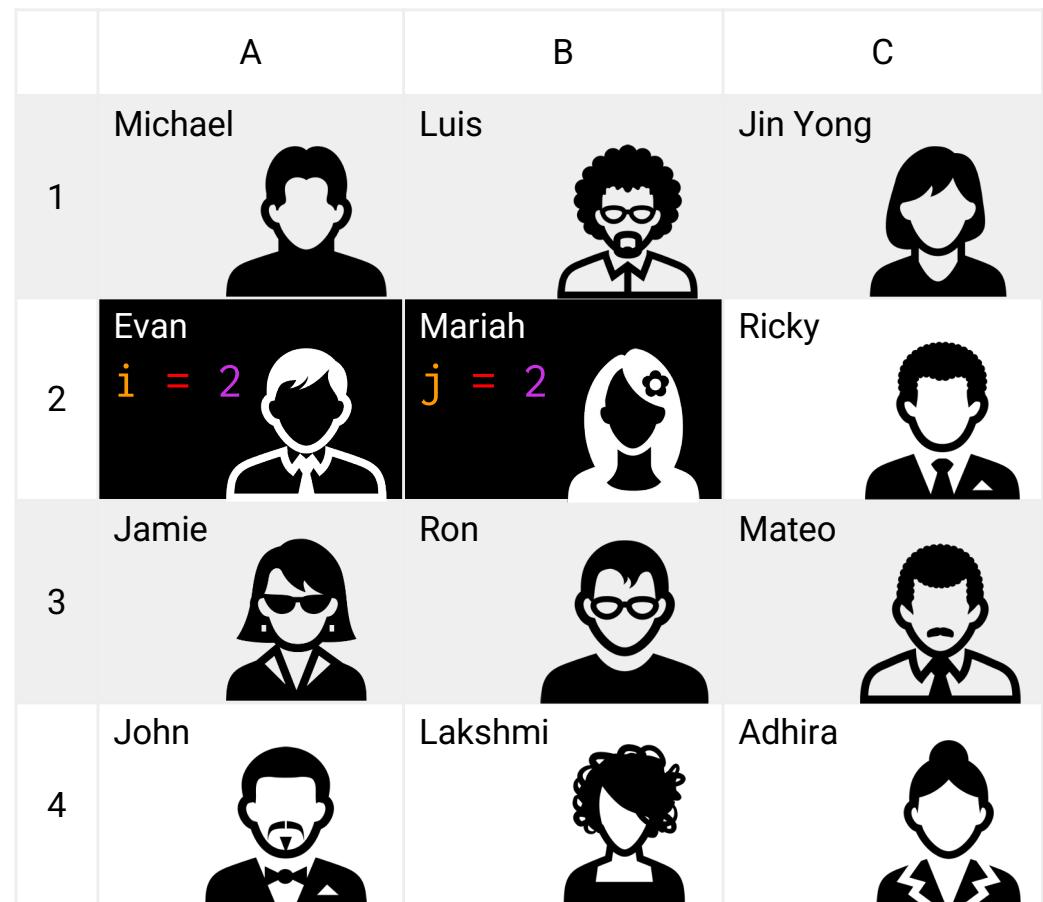
What Will This Code Do?

When:

i = 2 j = 2

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan i = 2	Mariah j = 2	Ricky
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira



What Will This Code Do?

When:

i = 2 j = 3

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan i = 2	Mariah	Ricky j = 3
3	Jamie	Ron	Mateo
4	John	Lakshmi	Adhira

The table shows a 4x3 grid of 12 person icons. The columns are labeled A, B, and C. The rows are labeled 1, 2, 3, and 4. The icons are black silhouettes. The labels are: Row 1: Michael, Luis, Jin Yong. Row 2: Evan (with 'i = 2' overlay), Mariah, Ricky (with 'j = 3' overlay). Row 3: Jamie, Ron, Mateo. Row 4: John, Lakshmi, Adhira.

What Will This Code Do?

When:

i = 3 j = 1

```
Sub QuickLoop()
    For i = 1 to 4
        For j = 1 to 3
            MsgBox(Cells(i, j))
        Next j
    Next i
End Sub
```

	A	B	C
1	Michael	Luis	Jin Yong
2	Evan	Mariah	Ricky
3	Jamie i = 3 j = 1	Ron	Mateo
4	John	Lakshmi	Adhira

Questions?

