

Day 6

Victorious VBA

The Data Bootcamp | June 30, 2018

Refresher


Explain:
What is a for-loop?

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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


What Will This Code Do?

	A	B	C
1	 Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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

When i = 1...


What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	 Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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

When i = 2...


What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	 Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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

When i = 3...

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	 Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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

Nope....
Not going to i =4


Explain:
What is a *nested* for-loop?

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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

What Will This Code Do?

	A	B	C
1	 Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran



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

When...

$i = 1$

$j = 1$

What Will This Code Do?

	A	B	C
1	 Michael	 Luis	Ruchi
2	Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran



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

When...

i = 1

j = 2

What Will This Code Do?

	A	B	C
1	 Michael	Luis	 Ruchi
2	Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran


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

When...

i = 1

j = 3

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	 Evan	Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran



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

When...

i = 2

j = 1

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	 Evan	 Mariah	Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran



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

When...

i = 2

j = 2

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	 Evan	Mariah	 Ricky
3	Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran


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

When...

i = 2

j = 3

What Will This Code Do?

	A	B	C
1	Michael	Luis	Ruchi
2	Evan	Mariah	Ricky
3	 Jamie	Ron	Jeff
4	John	Lakshmi	Baskaran

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

This
continues...

Questions / Discussion
