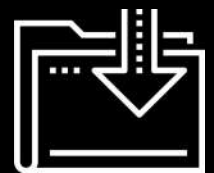




# Scripting Practice in VBA

Data Boot Camp

Lesson 2.3



# Words of Advice

## Advice #1

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There is no cram.





## Advice #2

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If you ever spend more than 10 hours on homework in a week without seeing progress, ask for help!





## Advice #3

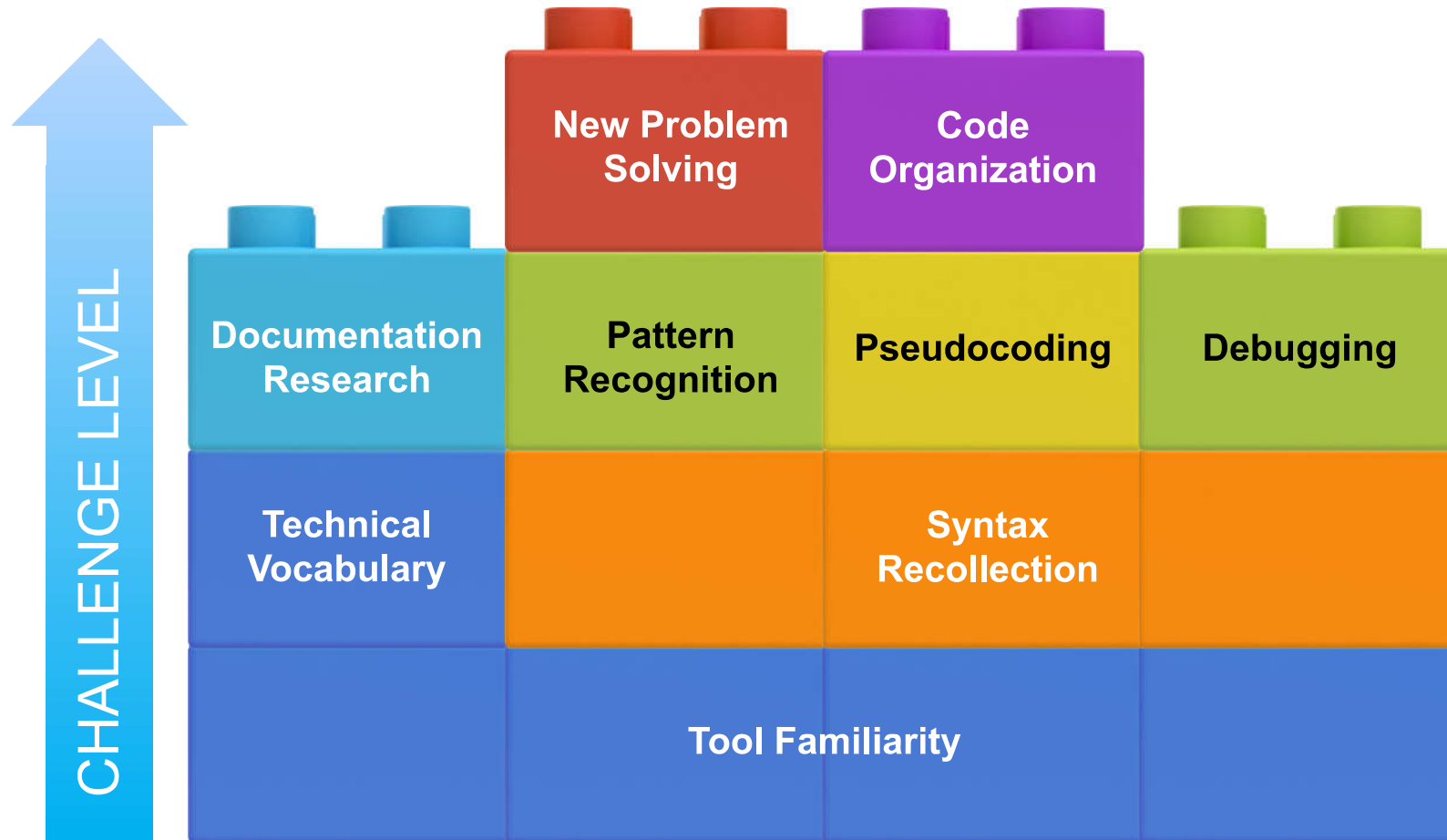
---

**Study efficiently.**



# Study Efficiently

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# Questions?



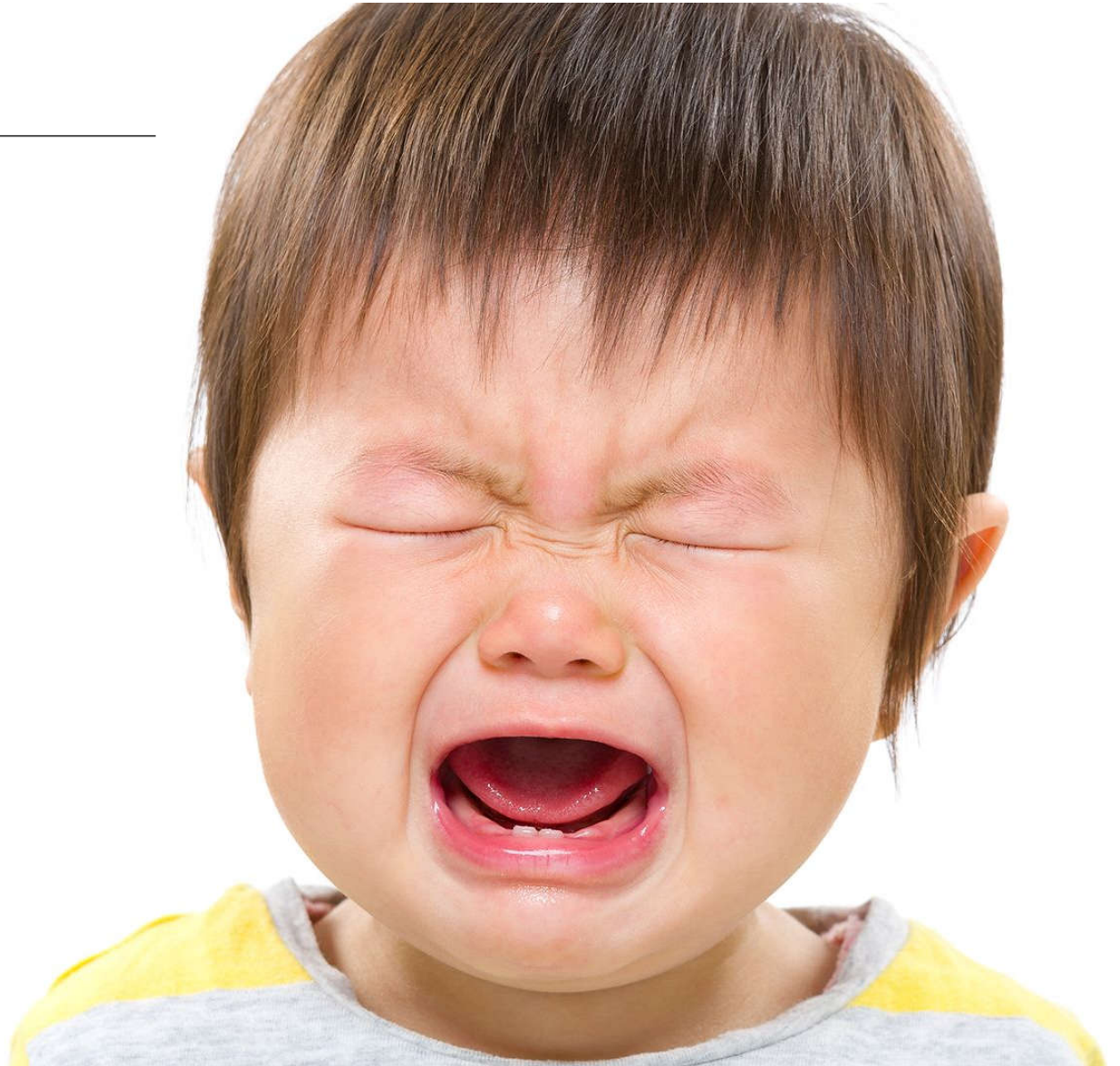
# Refresher



# 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 <b>i = 1</b> 	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 	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 <b>i = 3</b> 	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 

# 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 <b>i = 3</b> <b>j = 1</b> 	Ron 	Mateo 
4	John 	Lakshmi 	Adhira 

# Questions?

