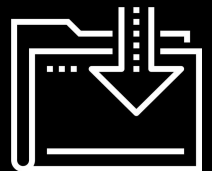




Scripting Practice in VBA

Data Boot Camp

Lesson 2.3



Words of Advice

Advice #1

There is no cram.



Advice #2

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

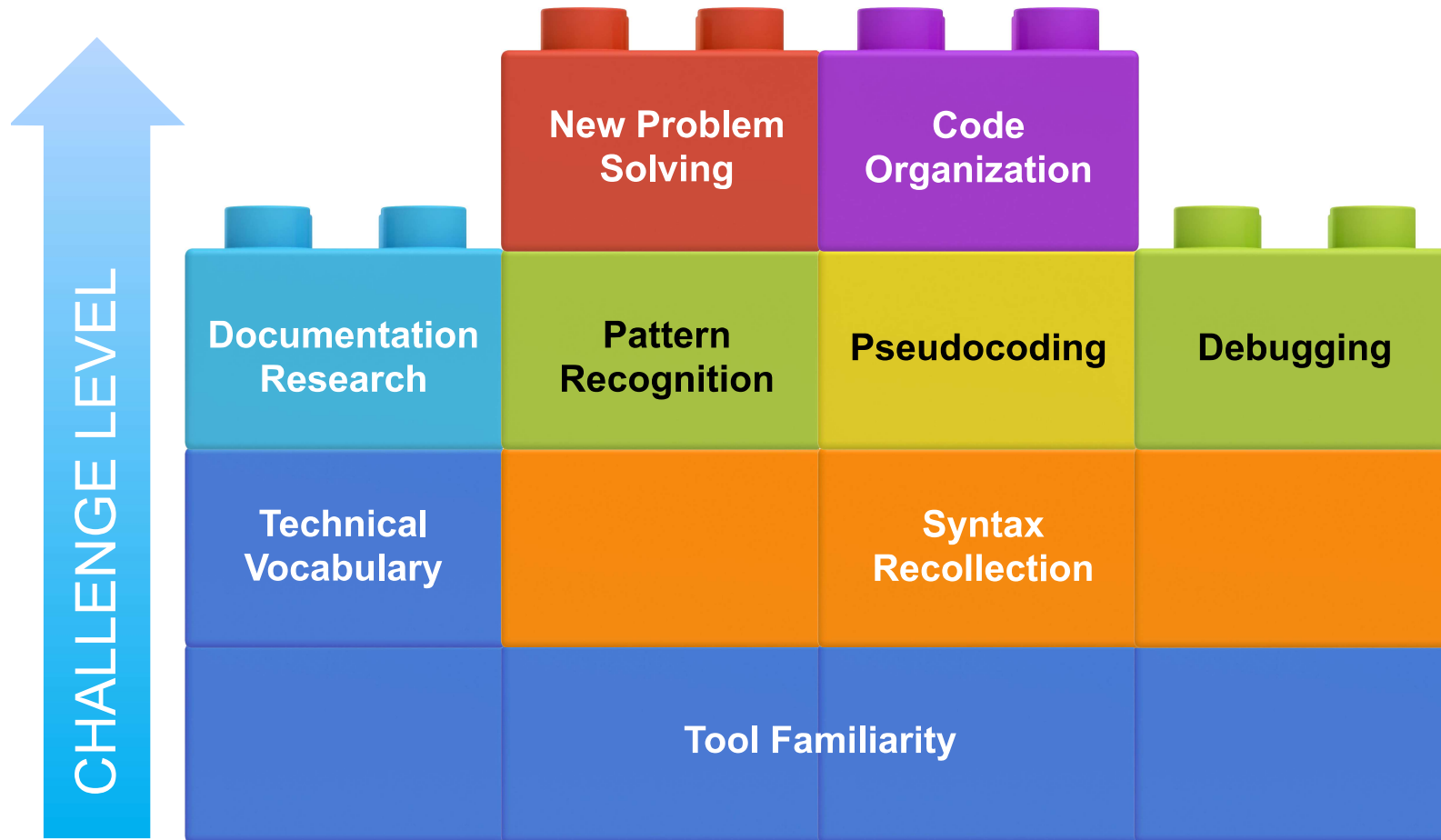


Advice #3

Study efficiently.



Study Efficiently



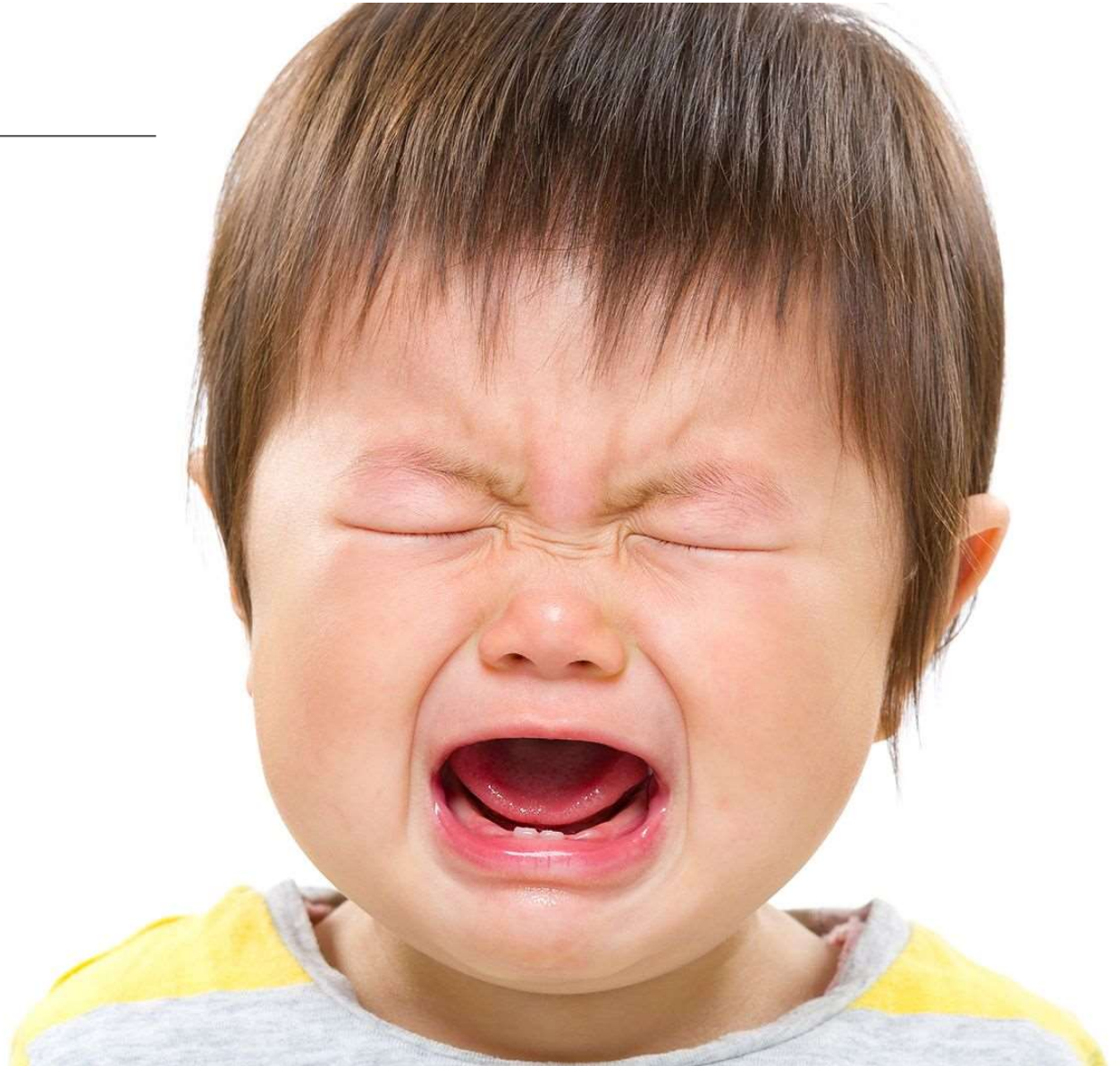
Questions?



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 

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?

