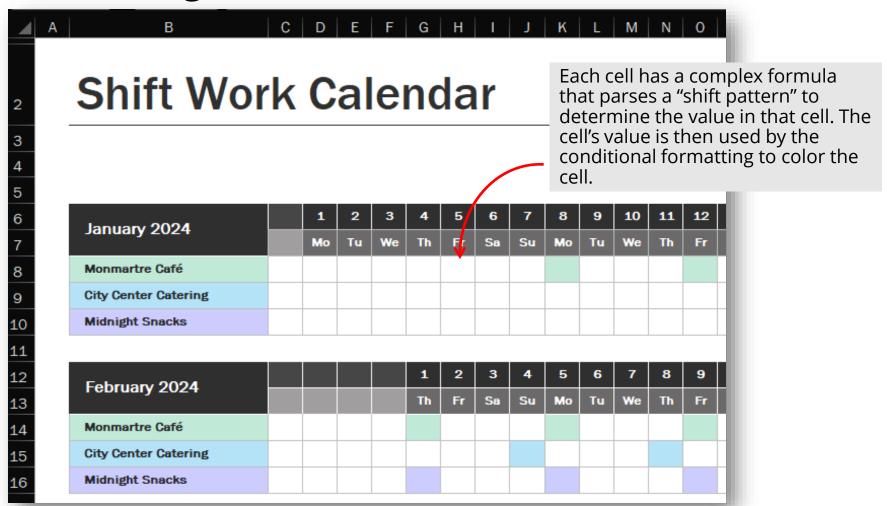
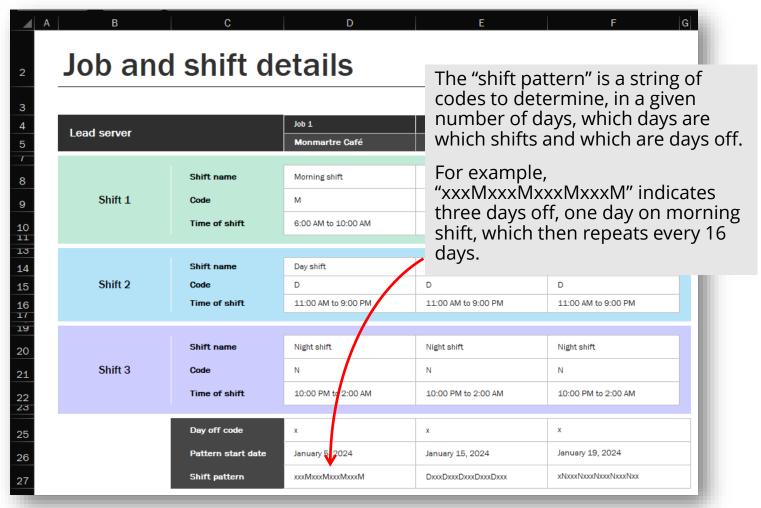
Learn from Excel templates Simplify an unknown formula using LET and IAMBDA



The "Shift Work Calendar" template uses interesting techniques to control conditional formatting



The shifts are defined on the "Job and shift details" sheet



Owen Price - flexyourdata.com | youtube.com/@flexyourdata

The original formula is long and confusing at first glance, but even without knowing out what this formula is doing, there's clearly repetition.

By naming the repetitive element modCalc, the calculation is easier to understand.

```
19 ∨ ShiftCalc = LAMBDA(day,
         LET(
20 🗸
             modCalc, MID(Job1 Pattern, MOD(day - Job1 StartDate, LEN(Job1 Pattern)) + 1, 1),
21
22 🗸
             IF(
                 OR(NOT(ISNUMBER(day)), day < Job1 StartDate),
23
24
                 IF(modCalc = Job1 Shift1 Code, 1,
25 🗸
                      IF(modCalc = Job1 Shift2 Code, 2,
26 🗸
                          IF(modCalc = Job1 Shift3 Code, 3, "")))
27
28
29
30
```