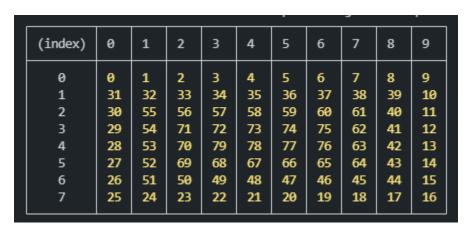# Challenge : Integer Spiral

You need to develop an API for us.

Here's methods you should implement:

- Create layout (x, y) : should create a layout and return layoutId as response

    The method should take x and y axis lengths as parameters to be used as layout dimensions. Then you must fill the table from outside to inside, turning clockwise, starting from the 0,0 coordinate. For example, a table with "10" as the first parameter and "8" as the second parameter should appear as follows. (just yellows)

| (index) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---------|----|----|----|----|----|----|----|----|----|----|
| 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 10 |
| 2 | 30 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 40 | 11 |
| 3 | 29 | 54 | 71 | 72 | 73 | 74 | 75 | 62 | 41 | 12 |
| 4 | 28 | 53 | 70 | 79 | 78 | 77 | 76 | 63 | 42 | 13 |
| 5 | 27 | 52 | 69 | 68 | 67 | 66 | 65 | 64 | 43 | 14 |
| 6 | 26 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 15 |
| 7 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 |

- Get layouts : should list all layouts including data (x, y, layoutId)
- Get value of layout (layoutId, x, y) : should return value of given coordinates

**- You have to:**
* use PHP ^7.4 or 8.0
* use composer
* follow PSR-12 coding standards
* provide documentation for API (like swagger..)

**- You are free to:**
* use any open-source library in your project
* use any database system

**- Nice to have:**
* deploy your project where we can access it (like heroku)
* apply design patterns
* follow coding principles like DRY, KISS, YAGNI
* write unit tests