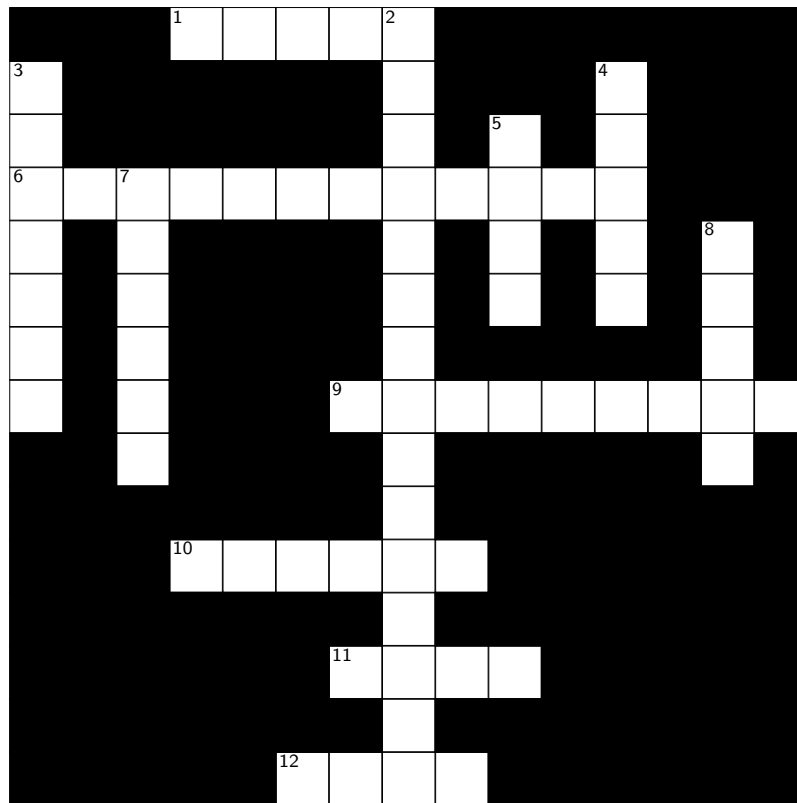


## Puzzles

### Crossword:



**Across** 1 Type one thing, mean another  
6 Make fish to watch you while you work  
9 How one automates on the commandline  
10 Common scripting language  
11 Sonar for the web  
12 Type a string, get a line

**Down** 2 sl 3 The matrix right there in your terminal 4 Changes permissions 5 Carrying data, not water 7 Cows with strings 8 Data sync (not sink)

### Takuzu:

The goal of this problem is to fill the grid with 1 and 0. Rules:

1. There have to be the same number of 1 and 0 in each line.
2. No more than two cells in a row can contain the same digit.
3. Each row and each column have to be unique.

Answer:

			0			1			0
	1	1					0		
		1				1			
								1	1
				0		1			
					0			0	
				0					
		1	1			0	1		1
1		1				0			0

1	1	0	0	1	0	1	1	0	0
0	1	1	0	0	1	0	0	1	1
1	0	1	1	0	0	1	1	0	0
0	1	0	0	1	1	0	0	1	1
1	0	0	1	0	1	1	0	1	0
1	0	1	0	1	0	0	1	0	1
0	1	0	1	0	1	1	0	1	0
0	0	1	1	0	1	0	1	0	1
1	0	1	0	1	0	0	1	1	0
0	1	0	1	1	0	1	0	0	1

### Brain teasers:

- A. How would you determine if a given binary tree is valid or not?
- B. Break some C programming mishaps (and get some commandline skills)  
with a wargame: <http://overthewire.org/wargames/manpage/>