## A Crossword Puzzle

This challenge can be solved using any programming language.

## Remember:

- Show case your computer science knowledge, coding skill & attention to details
- The most important thing is to have a completed, working & correct implementation first
- If possible reduce space & time complexity

The following resources are allowed:

- Wikipedia
- Programming Language documentation
- Coding tutorial
- Books
- Inclusion (within the solution) external libraries. However, be prepare to defend your decision

The following resources are NOT allowed:

- The help of another person
- The help of an Al program (unless you wrote the Al from scratch to solve this problem)
- · Solutions (or partial solutions) found online or in printed materials that is solved by someone else

## Overview

Write a function name: CrossWord that takes two string inputs and return a single string result.

Each input is expected to be a single word:

· Consisting of only letters a-z

The method attempts to:

- Locate the earliest possible intersection of characters between the two words &
- Crosses both words on the above intersection
- The first word is to be rendered horizontally; while the second, vertically
- The results are returned as a single string

## **Input & Output Examples**

cat & hat:

h cat t

balloon & bat

balloon a t

faint & test

	faint	
	е	
	s	
	t	
***	1 0 dod	
road	I & dad	
	d	
	road	
	d	
dad & road		
	r	
	0	
	dad	
	d	
	4	