

Technical Assessment for Software Engineer (Analysis)

Goal:

The idea of this assignment is to get a better understanding of your OOP, research and communication skills.

Task 1a: JavaScript

Based on the example data (see relevant **attachment**), please resolve: Given an array of machine objects, loop through the machines and retrieve all active places assigned to those machines.

Task 1b: JavaScript:

Based on your results display a list of all the accounts that have at least one place that the shifts start between 7am and 6pm Australian time

Task 1c: JavaScript

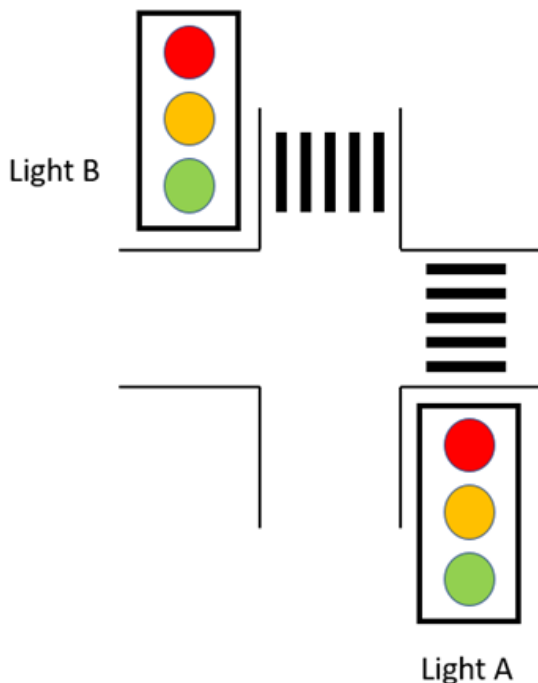
Modify the code in the task 1 to show the total amount of operators for all the active places instead

Task 2: C#

Let's assume there's a crossing with 2 traffic lights. Either light A is red and light B is green or vice versa (see picture below). Implement the predefined classes and methods in C# and use the main method in Program.cs (see relevant **attachment**) to test your implementation. Please consider using a library like Stateless (<https://github.com/dotnet-state-machine/stateless#readme>).

Deadline:

Please send your completed work directly to Niklas.Meyer@crdigital.com no later than 12pm Thurs 13 Aug 2020 – we wish you the best of luck 😊 !



The expected output after executing your code once is:

light A = red
light B = green
light A = red
light B = orange
light A = green
light B = red
light A = orange
light B = red
light A = red
light B = green