

Thank you very much for taking the time to apply to our role at White Clarke Group. This next part of the process is a practical coding exercise for you to complete in your own time. The focus is on writing the best possible code you can to solve a problem.

You can use any language that you like and we ask that you submit your solution to us once done. We ask that you provide instructions of how we should run it and any notes that you have around your design.

We would like you to take a look at the problem below.

If when completed you could send it to careers-au@whiteclarkegroup.com

We will then review and follow up with the agency on next steps.

All the best and good luck!

Automatic Parking system Problem

The purpose of this exercise is to demonstrate TDD and come up with a solution to the problem given below. Working unit tests will be sufficient as a solution, but you may provide a simple user interface to demonstrate your codes capability if you desire.

Cars are placed on a 15 by 15 grid at particular co-ordinates heading north, and the simple commands Left, right and forward are transmitted to them. The commands must be executed and the final position calculated.

The following examples should be used to demonstrate your code:

For the input "5,5:RFLFRFLF"
We should get the position "7,7"

For the input "6,6:FFLFFLFFLFF"
We should get the position "6,6"

For the input "5,5:FLFLFRFFF"
We should get the position "4,1"

You can either zip your code up and email it to us, or provide a link to the project online.