York Code Dojo – Mars Rover

A Mars Rover has been developed to map out the landscape.

It's a small robot which can move on a grid, controlled by simple commands.

A picture containing motorcycle, sky, outdoor

Description generated with very high confidenceIn this example, it will move on a 5x5 grid with a simple co-ordinate system - 0,0 is the bottom left, 4,4 is the top right.

We can control the Rover by sending it a string consisting of commands, such as the following:

RFLFFRFR

means rotate right 90 degrees,

L rotate left 90 degrees,

and F means move forward one square in the direction the Rover is currently facing.

The Rover starts at 0,0 facing North ("up" the grid).

We need a program which will accept strings of commands at the command line, and return the grid position of the Rover after those commands