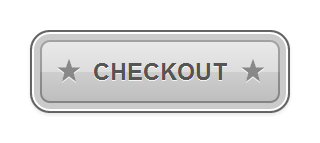
CSS Challenge

Using CSS properties alone (no images), recreate this button:



Using only this markup:

<a href=”#”>Checkout</a>

It doesn’t have to be a perfect match but it should be close. This only has to work in the latest version of Chrome. Make sure to include all files you used to recreate this button.

JS Challenge

A squad of NASA’s robotic rovers is to be landed on a plateau on Mars. The rovers must navigate this plateau, which is rectangular, so that their on-board cameras can get a complete view of the surrounding terrain to send back to Earth.

A rover’s position and location is represented by a combination of X and Y coordinates and a letter representing one of the four cardinal compass directions. The plateau is divided up into a grid to simplify navigation. An example position might be 0, 0, N, which means the rover is in the bottom left corner facing North.

In order to control a rover, NASA sends a simple string of letters. The possible letters are L, R, and M. L and R make the rover spin 90 degrees left or right respectively, without moving from its current spot. M means move forward one grid point, and maintain the same heading.

Assume that the square directly North from (x, y) is (x, y+1).

INPUT:

The first line of input is the upper right coordinates of the plateau, the lower left coordinates are assumed to be 0, 0. The rest of the input is information pertaining to the rovers that have been deployed. Each rover has two lines of input. The first gives the rover’s position, and the second line is a series of instructions telling the rover how to explore the plateau.

The position is made up of two integers and a letter separated by spaces, corresponding to the x and y coordinates and the rover’s orientation.

Each rover will be finished sequentially, which means the second rover won’t start to move until the first one has finished moving.

OUTPUT:

The output for each rover should be its final coordinates and heading.

|  |  |
| --- | --- |
| Test Input: | Expected Output: |
| 5 5  1 2 N  LMLMLMLMM  3 3 E  MMRMMRMRRM | 1 3 N  5 1 E |