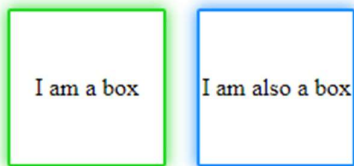


COS216 Tut 2

Task 1

Task 1 requires you to use a given HTML file (task1.html) and use CSS to apply the following changes so it matches the following.

- The list of numbers should have every second element in the list be green. Note this should work for any number of elements in the list, i.e. if I were to add 100 more elements, every second element would still be green.
- There should be 2 “boxes” that match the text, border, border color, border shadow etc as the image below.
- The 2 “boxes” should be on the same line (next to each other).
- For the list of Cars, the first letter of every car name should be blue. Your solution should also allow one to add new elements to the list and have that property without modifying the CSS.
- The bottom 2 lists should have a purple border.



- 1
- 2
- 3
- 4
- 5
- 6

- Audi RS3
- BMW M3
- Mercedes AMG C63
- Audi Q3
- Bentley Azure
- BMW M5

- When you hover over the first box, the following should occur

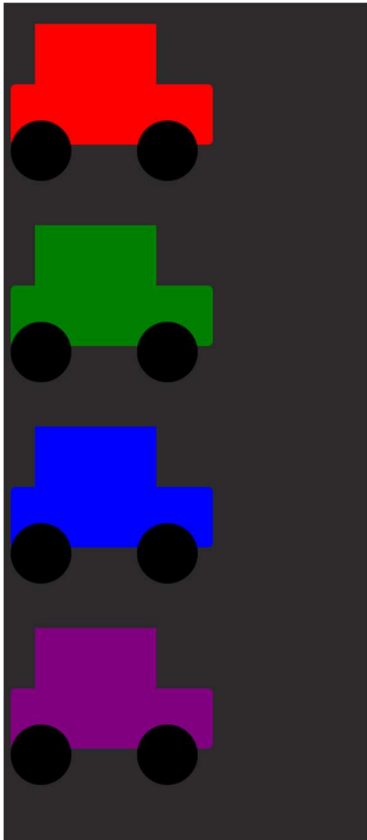


Task 2

Create a box starts out on the top left of the page and moves to the middle of the page while rotating 90 degrees. It then moves to the middle of the page vertically while rotating another 90 degrees. It then moves to the left side rotating another 90 degrees. It then heads back up to its starting position while rotating another 90 degrees. After this it should repeat the whole sequence backwards, once it returned to its starting point the sequence should restart. This movement can be seen in the uploaded video with this tutorial Task2.mp4

Task 3

You are given a file task3.html. Create a file called task3.css that will style all the elements on the page to look like the screenshot below. Make appropriate use of the CSS classes of the elements and pay attention to how the elements are nested.



Task 4

Advanced Animation

For this task, you will be creating a partial model of the solar system. Your model only needs to include the Sun, the Earth and the Moon. The Sun is roughly 109 times the size of the Earth, and the distance between them is colossal. Therefore, your model also does not need to be to scale, but feel free to change it when the animation is working.

All three objects should be represented using circular divs.

The Earth should rotate clockwise around the Sun, and the Moon should rotate counter-clockwise around the Earth. The Moon should complete a rotation every second, and the Earth every 12 seconds. Make each celestial object clearly distinguishable from the others.

Use only CSS3 and HTML5. Do NOT use JS or libraries, only use CSS animation.

Hint: Normally, having one object be stationary and another object rotate around it uses trigonometric functions to change the X and Y coordinates of the object. Since the Sun and Earth are both untextured divs, however, one would not be able to tell if they were both rotating in sync.