

Assignment 16 : p5.js I

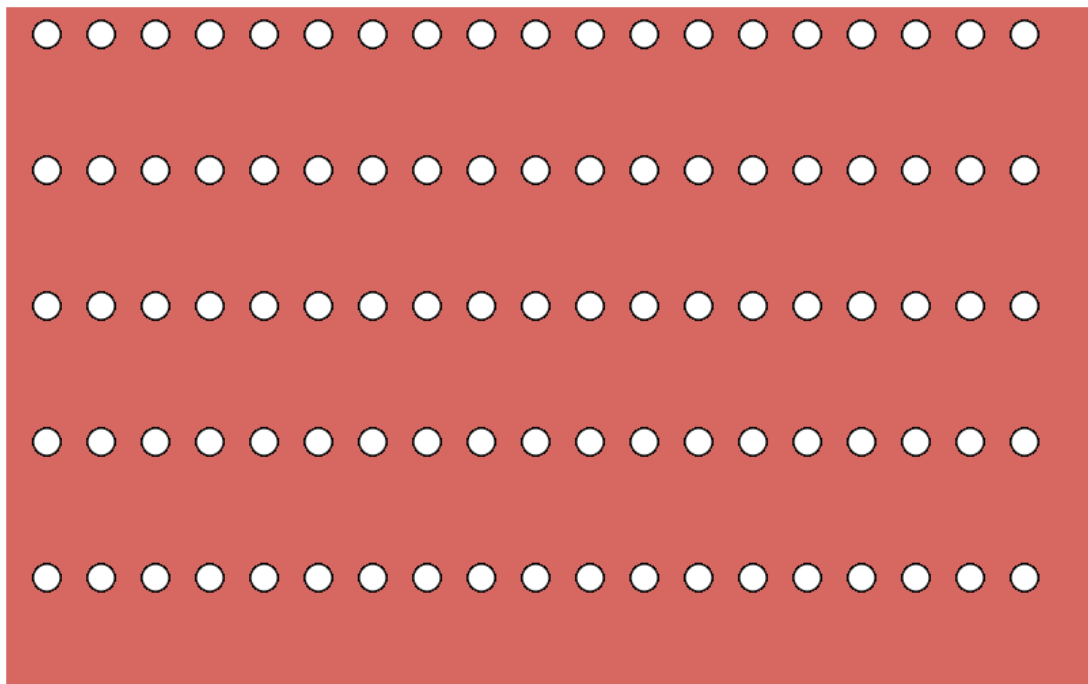
In this assignment you will create a pattern using ellipses across the canvas width and height. You will also make the color of ellipses to be different as the x and y position changes. Moreover, for the ellipses in the third row, you will create smaller ellipses across the x axis which will be placed in the center of the bigger ellipses.

Task 1:

Create a pattern of ellipses across the canvas width and height.

- The ellipses should not exceed the width or height of the canvas
- Each ellipse should have 40px horizontal distance of the next one
- Each line of ellipses should have 100px vertical distance of the next one

The outcome should look like:

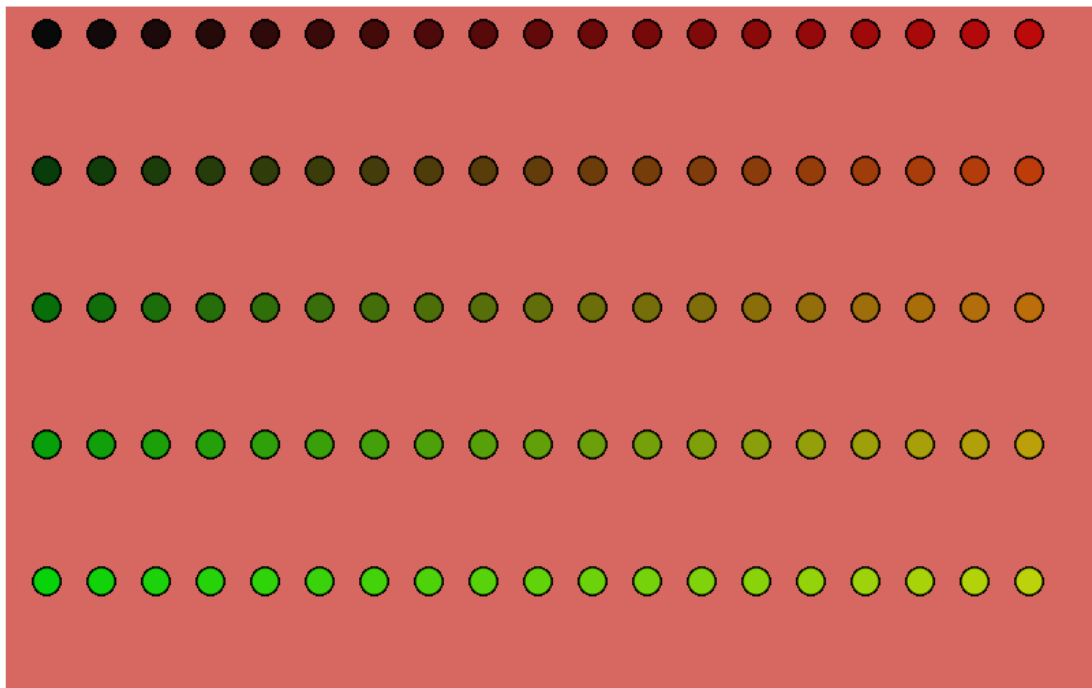


Task 2:

Make the color of ellipses to change as the x/y position of ellipses is changing

- Do not let the color variables to exceed 256
- Use rgb color type
- Make one of the rgb to be a stable value

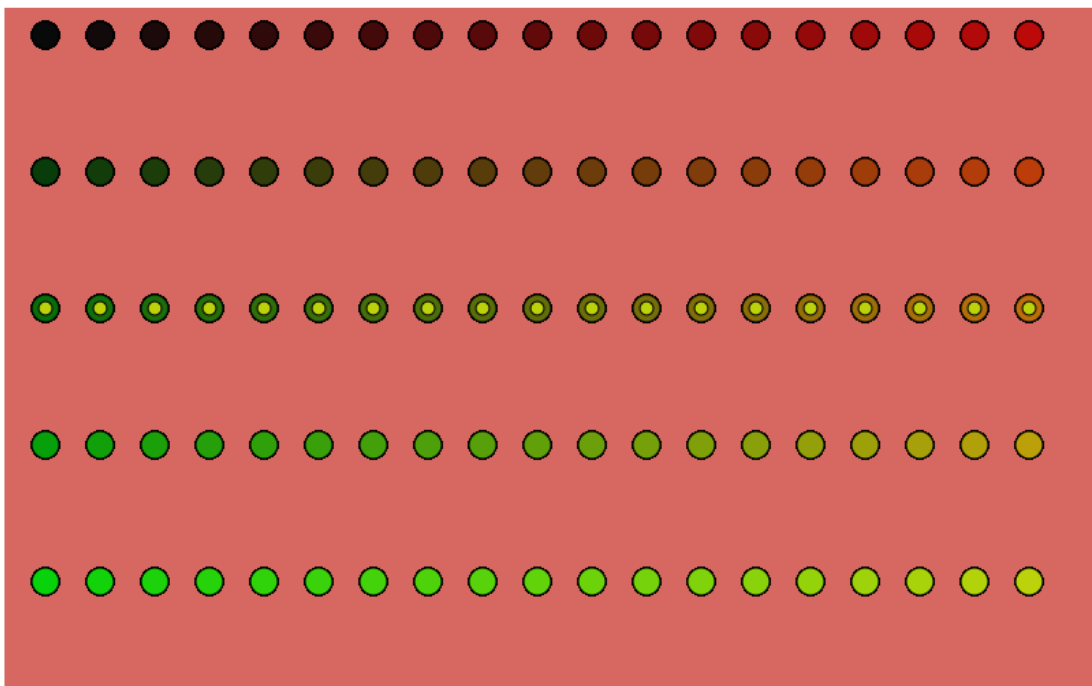
The outcome should be similar to:



Task 3:

Draw a small ellipse in the center of each of the 3rd row ellipses

The outcome should be similar to:



1. Open your Visual Studio editor and the `p5yourName/module08` folder.
 2. Open the file `ex812.js` in your editor and save it as `assignment16YourName.js` in the same folder
 3. Open the file `ex812.html` in your editor and save it as `assignment16YourName.html` in the same folder
 4. In the `assignment16YourName.html` file, update the link to `assignment16YourName.js` from `exersice812.js`
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Modify the `assignment16YourName.js` file to answer the assignment.

To submit your work, submit the `assignment16YourName.html` and `assignment16YourName.js` files.