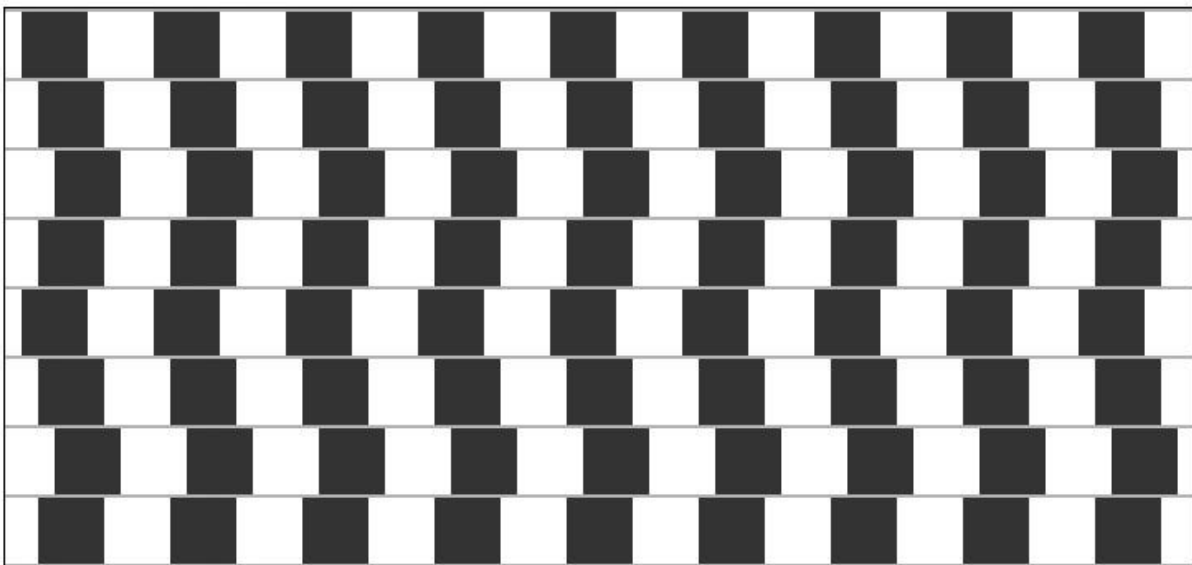


Computer Programming Canvas #8 – Parallel Lines?

Objective: Use the HTML5 canvas object and Javascript to create the illusion.

1. In your *Computer Programming* folder, create a folder titled *first_last_canvas_8*. Edit your *template.html* file and save it in your *first_last_canvas_8* folder with the name *parallel_lines.html*.
2. Edit the *parallel_lines.html* file
 - a) Change *CHANGE ME* to *First Last – Canvas 8*
 - b) Change the width of `<canvas>` to 720 and the height to 338.
 - c) In the `draw()` method, draw the illusion on the canvas.
 - i. There are 7 lines **between** the rows of squares with one line at the top and another at the bottom. The line color is #666666. A line is drawn and then squares are drawn underneath the line. The line is one pixel wide.
 - ii. The squares are in color #333333. Each square is 40px on each side. The space between each square is also a square 40px on each side. Do NOT draw the white squares, only draw the dark squares.
 - iii. The x coordinate of the first square in the first row is 10px. For the second row, it moves 10px to the right (or 20px). For the third row, it moves another 10px to the right. It then moves back 10px to the left. Follow the pattern for the rest of the rows.
 - iv. You must use a loop to draw each row of squares. You will need 8 such loops.
 - v. You must use a single loop to draw all of the lines below each row of squares.



3. Zip your *first_last_canvas_8* folder. Turn in your *first_last_canvas_8.zip* file.