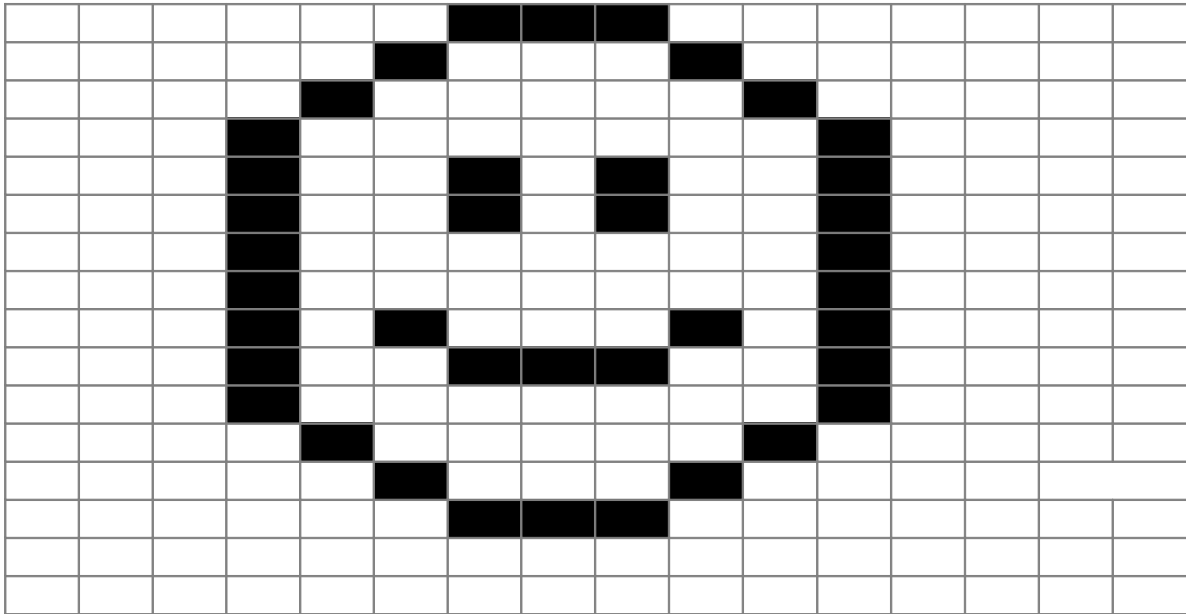


Lesson 4 – Student Assignment

Take a look at this simple picture. How would you store the data into an array. Keep in mind, that if the pixel is occupied, the hex code is #000000 and if the pixel is not, then the code is #FFFFFF.



Explain how you would store this image into the computer's memory?

Write a nested for loop that would store this image into a 2 dimensional array:

How could I take this image and rotate it 90° counterclockwise? Explain the process you would use.

What do you notice about the relationship between x and y coordinates? Is there an efficient way to implement this rotation?

Could you make other rotations? If so, what would you have to do?