Assignment

CS 202 – FALL 2018

Save your solution named **ascii.c** in a sub-directory called **e1** in your home directory.

Write a C program that reads an image file of format **pgm** and prints to **stdout** a character representation of the greyscale image.

You can use the following characters to represent 10 levels of grey " **.:-=+*#%@**" .

Some points:

1. There are some data files (**pgm** files) under **/u1/junk/cs202/e1/** for you to test.
2. If you are using your own files, then make sure you convert the image to **pgm** format and resolution to less than **40x45**.
3. If you are using an image with more variation in pixel values, you can use the characters "**$@B%8&WM#*oahkbdpqwmZO0QLCJUYXzcvunxrjft/\|()1{}[]?-_+~<>i!lI;:,"^`'.** " to represent grey levels more precisely.
4. Following is the format of a **pgm** file

   P5

   92 112

   255

   <Followed by 92x122 bytes, each byte representing one-pixel value of the image >

Take a look at the following link for some examples asciiart.