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Void getFile(): prompts the user to enter the name of the file and stores it.

Int ConvertFile(): reads the file that the user entered and converts the brightness values to their corresponding characters, then restores the new characters into a new 2d array.

Int DisplayArray(): this function takes the new array and displays it to the screen.

Int menu(): this function has all the menu options and stores the user input menu option.

Int edit(): this allows the user to scale the brightness or decrease the brightness of the image selected.

Int NewImage(): this function erases the current images and then uses the convert file function to get a new file and convert it.

In the main function there would be calls to functions, multiple cascading if statements to confirm menu choices and put the user input from the menu into the requisite function whether that be edit, new image, or a convert file function. The main function would also have the break statement within it to exit the program if the user chooses to do so. There would also be a loop, probably a do while loop to continue to prompt the user each time after a menu option has successfully been achieved.

Data:

Menu option: int

Image: gets string of size 50

Outputimage: char 2d string

Index: int