

## **Data**

2D Array for numbers representing image

Int Input Choices

File pointer

Int row and columns

String filename

## **Functions**

Main()

Data: Int Input

Function: asks for initial file input and then loops through the menu and loads up the corresponding function. Ex 1. Display 2. Edit image 3. Display image 4. Exit

GetImage()

Parameters: File pointer, int row, int column, int 2D array

Return output: none

Function: this function will take the image and convert it into the numbers for the array corresponding to the level of brightness.

SaveImage()

Parameters: File pointer, filename

Return output: none

Function: It will take the name that the user inputs and save the "image" as the o,O,0, and . to a file named wit the user input

EditDim()

Parameters: int row, int column, int 2D array, pointer 2D array

Return output: none

Function: It will go through the numbers in the array and subtract 1 to make the image appear dimmer

EditBright()

Parameters: int row, int column, int 2D array, pointer 2D array

Return output: none

Function: It will go through the numbers in the array and add 1 to make the image appear brighter

EditCrop()

Parameters: int row, int column, int 2D array, pointer 2D array

Return output: none

Function: It will remove the rows and columns around the image

DisplayImage()

Parameters: File pointer, 2D array, pointer 2D array

Return output: none

Function: changes the file into the image using the conversion table