Swan Garcia

Program 1

10 September 2018

Documentation #1

The first array has a first subscript value as 6 and second subscript value as 4. The second array has a first subscript value as 4 and second subscript value as 6. The third array has a first subscript value as 11 and second subscript value as 14. Two for loops are used to store the elements of the array. The outer loop and inner loop both use first subscript 0, which enters the element (0,0). The other part of the for loops subscripts enters the rows and increments the array. Implementing I/O was just used by making files and using pointers to point to the files and the different arrays. The command fopen was used to open a file and “w” was to write to the file and “r” was used to read files from part a and always ending with a fclose for each text file. When adding the matrix in Part B separate for loops were created. Only the matrices that have the same dimensions are implemented by two for loops to add the two different matrices. The equation is simply one matrix plus another matrix. The naming is mat12 for mat1 + mat2, mat23 for mat2 + mat3, and so on. For the matrices that do not have the same value just simple print command with “Sum not possible”. Lastly, the github repository is:

https://github.com/SkyAllure/SwanGarcia\_2300