public class MusicOrganizer

Create String 2D array called library

Public MusicOrganizer ()
- Make variable (albums) that stores how many spaces there are (will help find how many albums their are)
- Try catch (read into text file ("musiclibrary.txt")
    - Create variable line
    - While nextLine() not null
        - Check to see if line is empty using .isEmpty
            - If is then albums
- Initialize 2D array with library[albums][7];
- Try catch again into text file
    - Create String line, int row, int col;
        - While row < library.length
            - Check to see if row is !null
                - If not then
                    - String details = line.split(": ") (This will allow us to gather the information without storing the pre details
                    - Store details into library[row][col]
                    - Col++
                - else
                    - Row++
                    - Col = 0
            - If null break
Boolean printToConsole ()
- For loop until i reaches albums.length
    - Print library[i][0], Print library[i][1], Print library[i][2], Print library[i][3], Print library[i][4], Print library[i][5], Print library[i][6]
- Return true

Boolean printToNewFile(String file, String text (you will see why later))
- First check to see if the text contains "Could Not Find"
    - If does return false
- Try catch write into file given in parameter
    - If text does not equal "" (you will see why later)
        - writer.write(text);
        - Return true
    - For loop through the library array
        - writer.write() than writer.newLine() each at [i][0], [i][1], etc.
        - Check to see if i is not equal to library.length - 1
            - If not then writer.newLine() twice
            - This is so their is spacing in between albums, but if it is the last album no spacing
- Return true

Boolean addNewAlbum (take in all needed details, ex. Artist, album, peak, etc.)
- For loop through library
    - Check to library[i][0] equals artist && library[i][1] equals album
        - If does return false
- Create temp2DArray with row size one bigger [library.length + 1][7]
- For loop through library array
    - Set each element into temp array from library array
        - Temp[i][0] = library[i][0], etc.
- Set library array to tempArray meaning last row is null
    - Set [library.length -1][0], [library.length -1][1], etc to given parameters
- Try catch writer into musiclibrary.txt
    - newLine()
    - .write("Artist: " + artist);
    - .write("Album: " + album);
    - Etc
    - Close writer
    - Return true

String updateReview(String album, String review)
- Make boolean wentIn = false; this will show if the album given exists
    - Loop through library array to see if [i][1] equals album given
        - If does then replace review with review given
        - Make wentIn true
- Check to see if went in
    - If not then return "did not find album";
- Return changed album name

String findArtist(String artist, String album)
- Make String text variable
- Check to see if album equals "" - you will see why later
- If does then
    - Loop through library array
        - If library[i][0] equals artist
            - Text += "Artist: " + library[i][0] + \n
            - Text += "Album: " + library[i][1] + \n
            - Etc
- If does not then
    - Loop through library array
        - If library [i][0] equals artist and library[i][1] equals album
        - Text += "Artist: " + library[i][0] + \n
        - Text += "Album: " + library[i][1] + \n
        - Etc
        - Return text
- Check to see the length of text equals 0
    - Return "no album found"
- Return .substring(0, text.length -2)

Main
- Make MusicOrganizer class
- Boolean object stay = true
- scanner object made
- While (stay)
    - Print what the user would like to do
        - Show options
    - Get input
    - If 0
        - Stay = false
    - If 1
        - Print musicOrganizer.printToConsole()
    - If 2
        - Ask what the file name should be
        - Call musicOrganizer.printToNewFile(userInput, "" (this means that all the text albums should be printed out))
    - If 3
        - Ask for all details of album
        - Get the input
        - Eg. What artist?album name?, etc.
        - Call .addNewAlbum(all gathered input here)
        - If return false then tell user that album already exists
        - Else success
    - If 4
        - Ask for name of the artist
            - Ask for specific or all albums with the artist
            - If specific
                - Ask for name of album
                - Ask if they would like to print to console or file
                - If console
                    - Print (call .findArtist(input given, input given)
                - If file
                    - Ask for file name
                    - Call .printToNewFile(fileName, call .findArtist(given info)
                    - If .print return false say could not find else success
            - If not specific
                - Ask if they would like to print to console or file
                - If console
                    - Print (call .findArtist(input given,"" means all of the albums)
                - If file
                    - Ask for file name
                    - Call .printToNewFile(fileName, call .findArtist(given info)
                    - If .print return false say could not find else success
    - If 5
        - Ask what album to review
        - Ask what review of album is

- - - Print .updateReview
    - else
        - - Print not a choice
    - Call .printToNewFile("musiclibrary.txt", "") (this means that all the changes the user makes goes into the album

Colors
- Quit -White
- Print - Green
- Different File - Magenta
- New Album - Blue
- Artist - Cyan
- Review - Yellow

Test
- Before each test make new initialized object
- First test is to see if .printToConsole() return true
- Second is to see if .printToNewFile() returns false as second parameter states that "Could Not find album Pink Tape"
- Third is to see if .addNewAlbum that is already in the library returns false
- Fourth is to see if .updateReview returns "Did not find album" as parameters are "UtopiaS", "Very Good Album"
- Fifth is to see if Artist was correctly found and proper text returned