LockedMe.com
(Sprint Work and Project Specification)

Version History:

Author	Atharv Pratap Singh
Purpose	Screenshots of application
Date	14h August 2021
Version	1.0

Java Technologies used:-

- ✓ Exception Handling
- ✓ Working with files
- ✓ Modularity
- ✓ Naming Standards
- ✓ Object Oriented Programming
- ✓ Data Structures
- ✓ Collections
- ✓ Control Structures

Contents

1. Modules in LockeMe.com Project

a. Display All files in the Directory
b. Adding a new file and content
c. Deleting a specific file in the Directory
d. Search a particular file

2. Sprint wise work

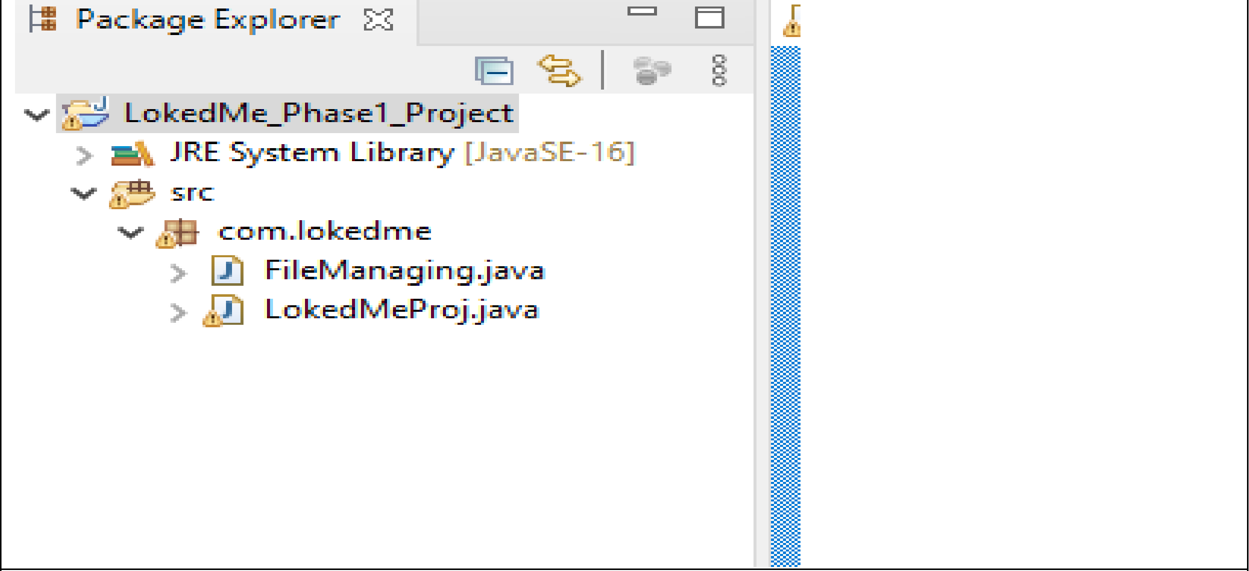
Sprint Number	Modules
1	Display All files Adding new File
2	Deleting a file Search a file Testing Deployment(Creating a runnable jar file)

3. Project GITHUB link:

Repository Name:-
Simplilearn_Project_P1
Github Link:-
https://github.com/apstorm/Simplilearn_Project_P1

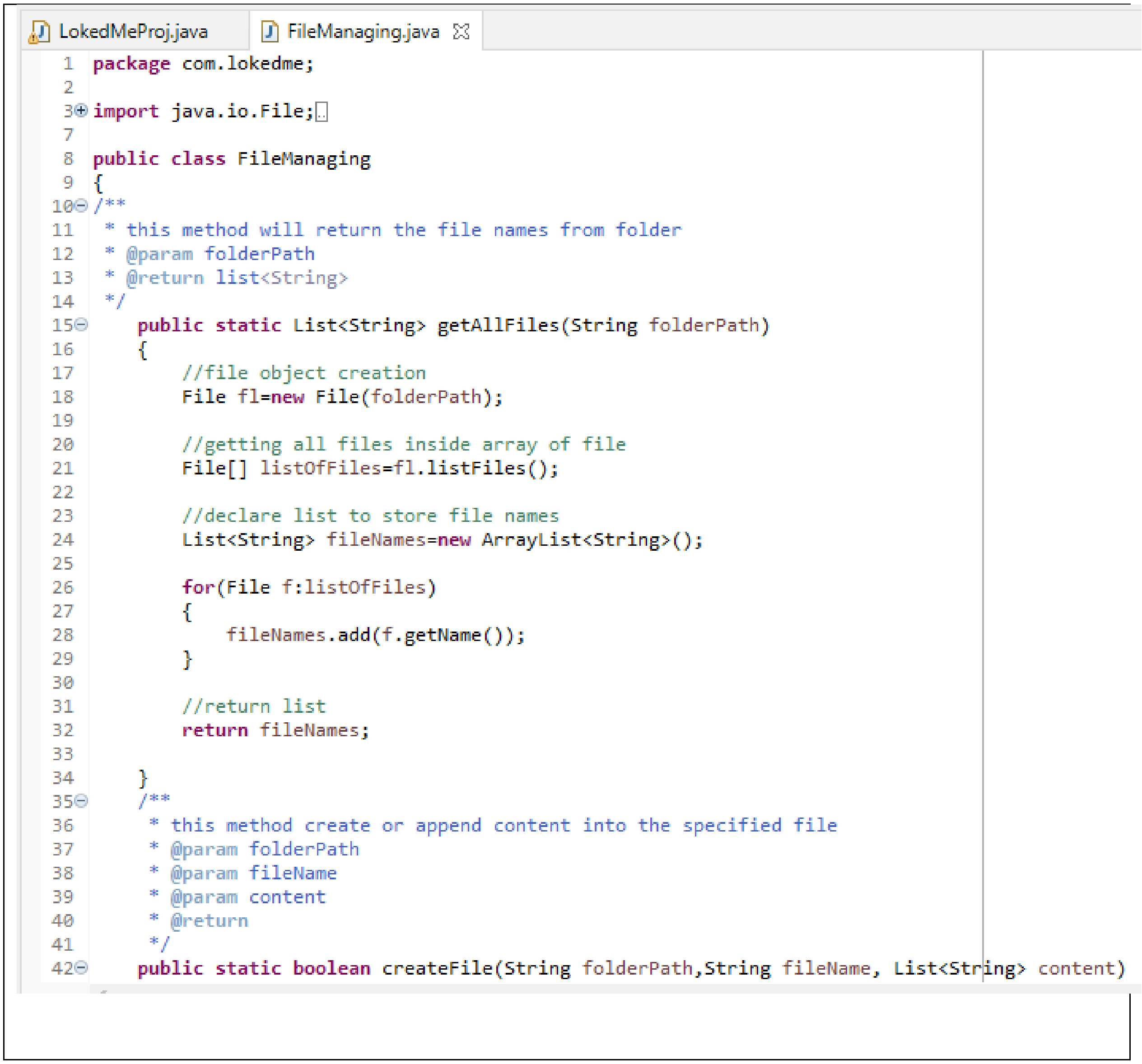
4. Project Code:

Folder Structure

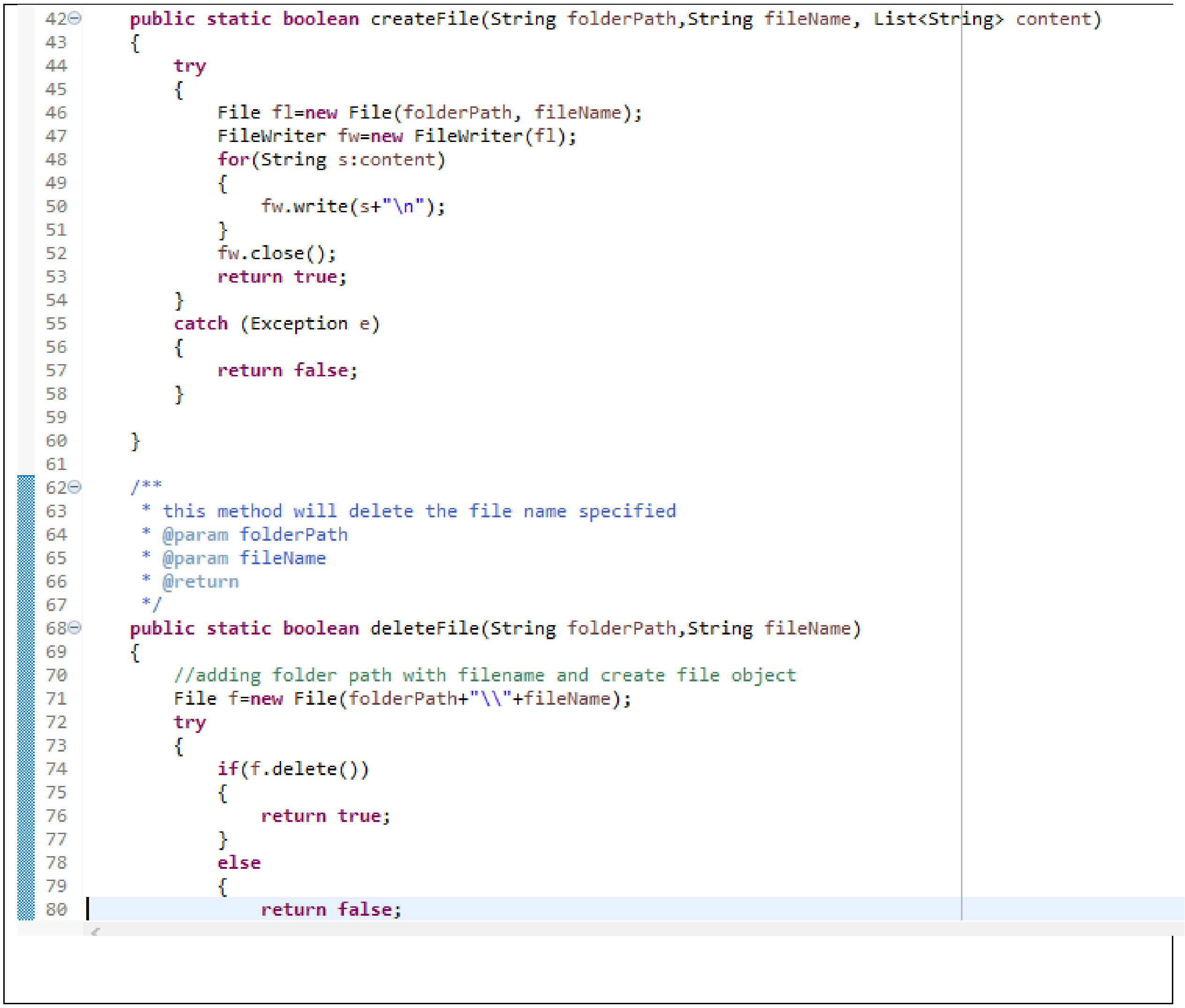


```
LokedMe_Phase1_Project
    JRE System Library [JavaSE-16]
    src
        com.lokedme
            FileManaging.java
            LokedMeProj.java
```

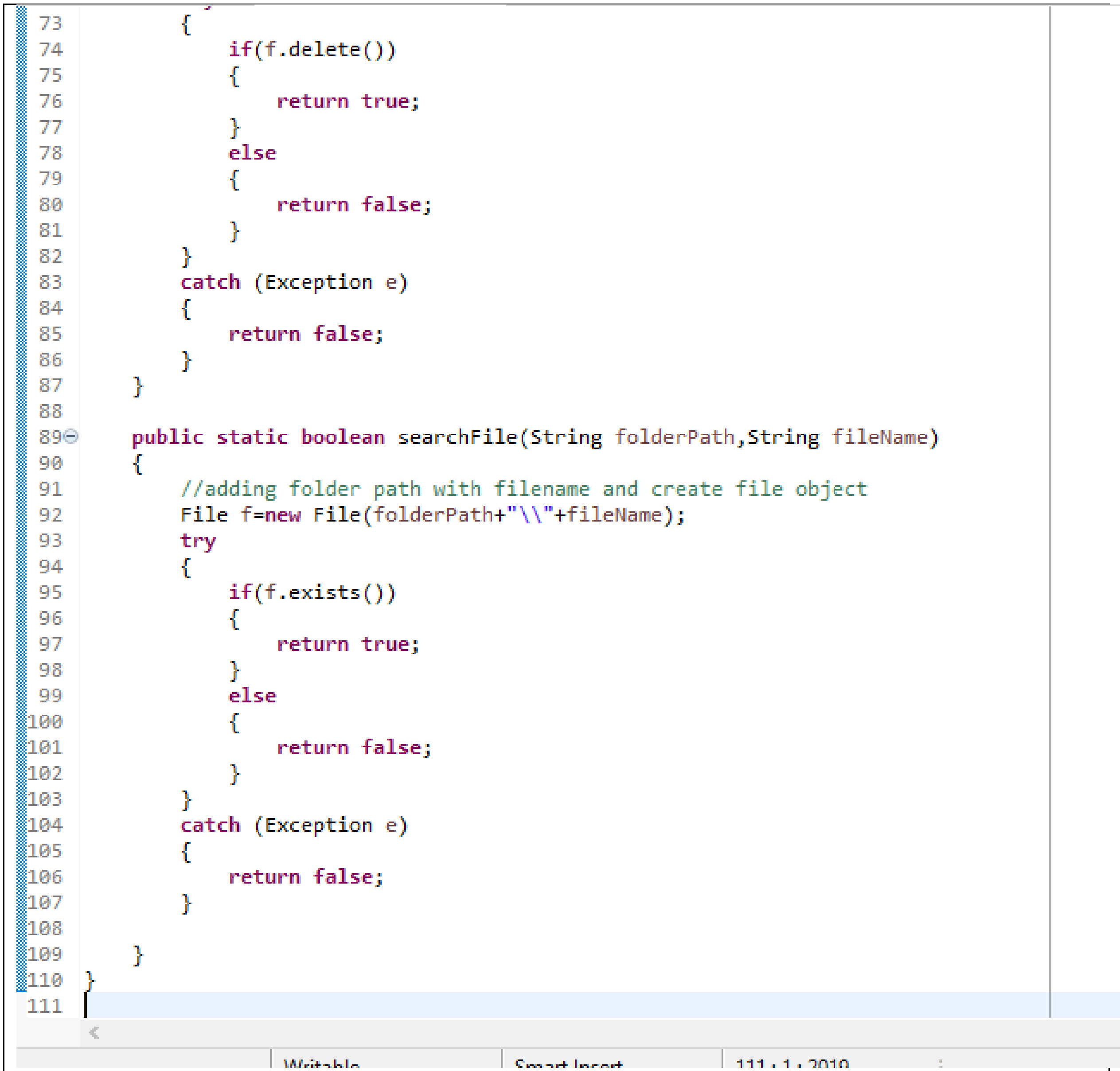
FileManaging.java



```java
package com.lokedme;

import java.io.File;

public class FileManaging
{
/**
 * this method will return the file names from folder
 * @param folderPath
 * @return list<String>
 */
    public static List<String> getAllFiles(String folderPath)
    {
        //file object creation
        File fl=new File(folderPath);

        //getting all files inside array of file
        File[] listOfFiles=fl.listFiles();

        //declare list to store file names
        List<String> fileNames=new ArrayList<String>();

        for(File f:listOfFiles)
        {
            fileNames.add(f.getName());
        }

        //return list
        return fileNames;

    }
    /**
     * this method create or append content into the specified file
     * @param folderPath
     * @param fileName
     * @param content
     * @return
     */
    public static boolean createFile(String folderPath,String fileName, List<String> content)
```

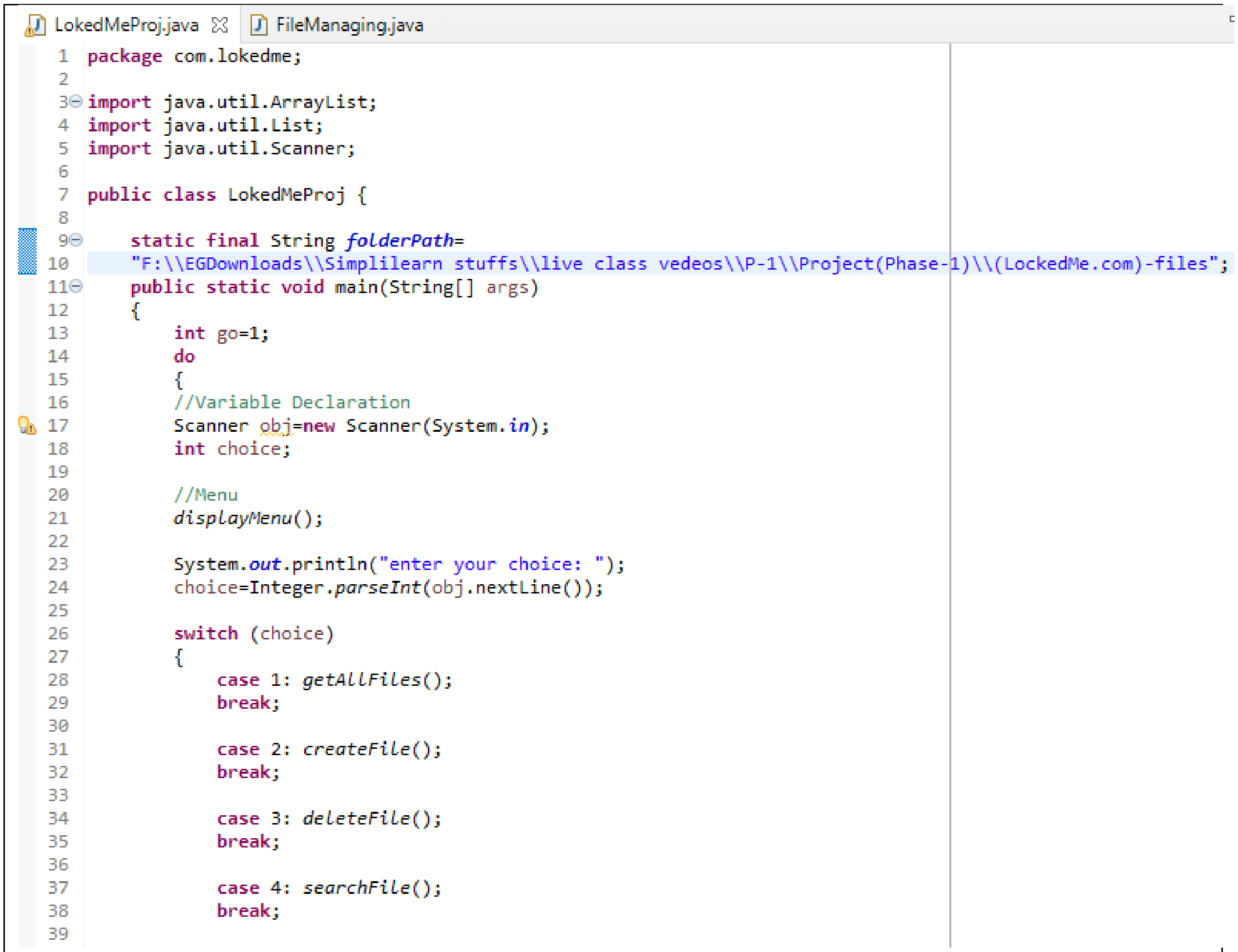


```
    public static boolean createFile(String folderPath,String fileName, List<String> content)
    {
        try
        {
            File fl=new File(folderPath, fileName);
            FileWriter fw=new FileWriter(fl);
            for(String s:content)
            {
                fw.write(s+"\n");
            }
            fw.close();
            return true;
        }
        catch (Exception e)
        {
            return false;
        }

    }

    /**
     * this method will delete the file name specified
     * @param folderPath
     * @param fileName
     * @return
     */
    public static boolean deleteFile(String folderPath,String fileName)
    {
        //adding folder path with filename and create file object
        File f=new File(folderPath+"\\"+fileName);
        try
        {
            if(f.delete())
            {
                return true;
            }
            else
            {
                return false;
```

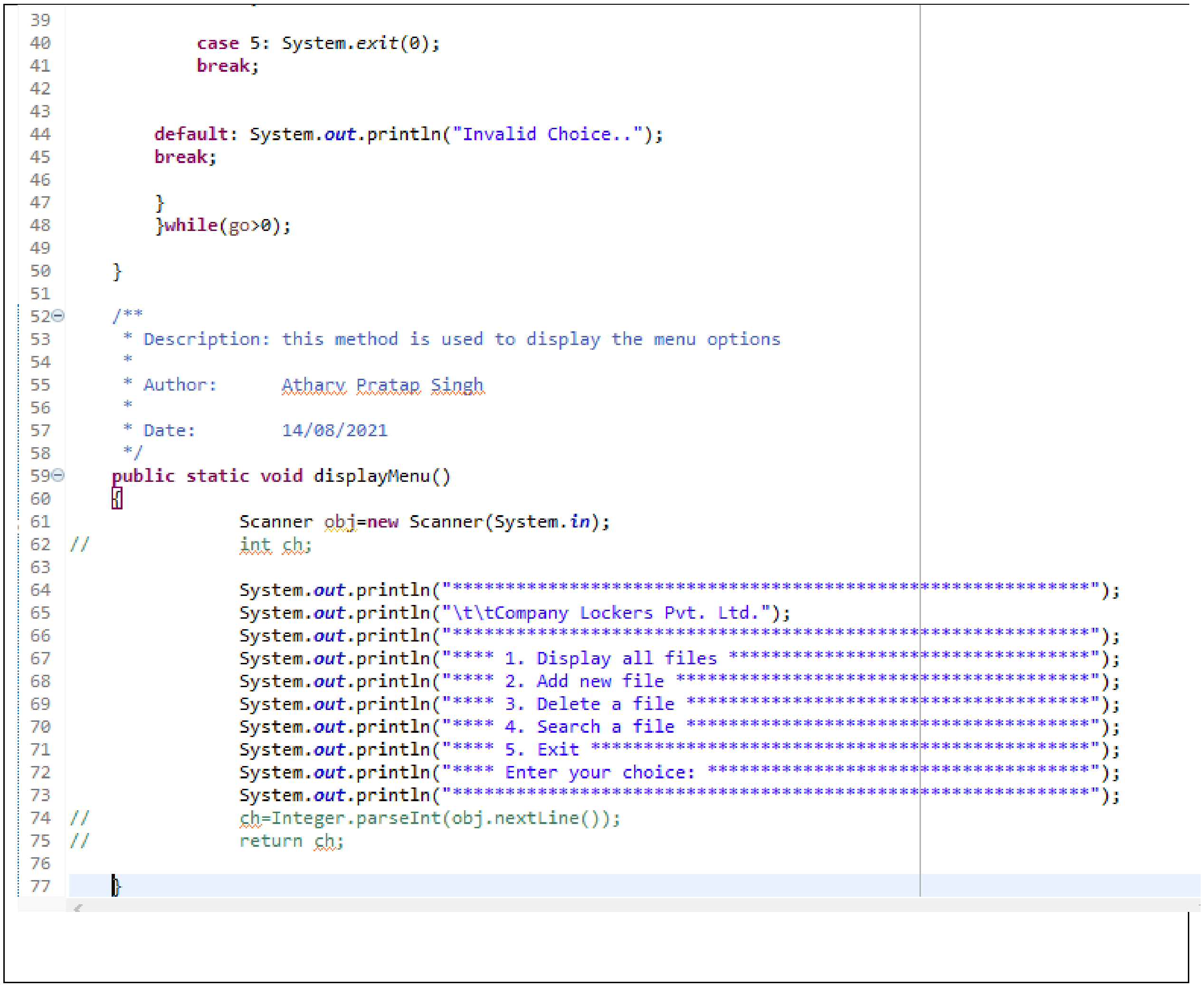


```java
        {
            if(f.delete())
            {
                return true;
            }
            else
            {
                return false;
            }
        }
        catch (Exception e)
        {
            return false;
        }
    }

    public static boolean searchFile(String folderPath,String fileName)
    {
        //adding folder path with filename and create file object
        File f=new File(folderPath+"\\"+fileName);
        try
        {
            if(f.exists())
            {
                return true;
            }
            else
            {
                return false;
            }
        }
        catch (Exception e)
        {
            return false;
        }

    }
}
```

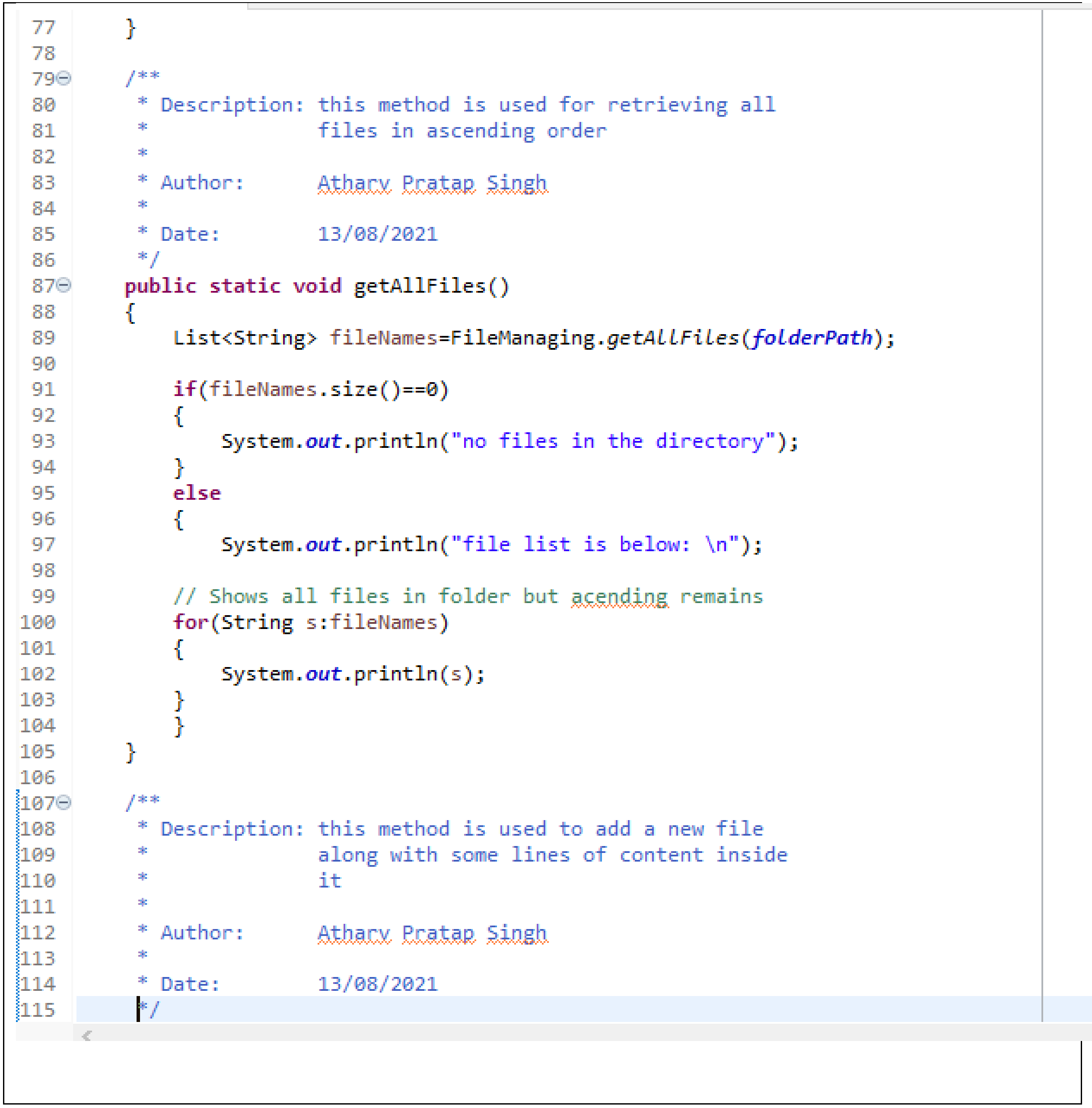
LokedMeProj.java



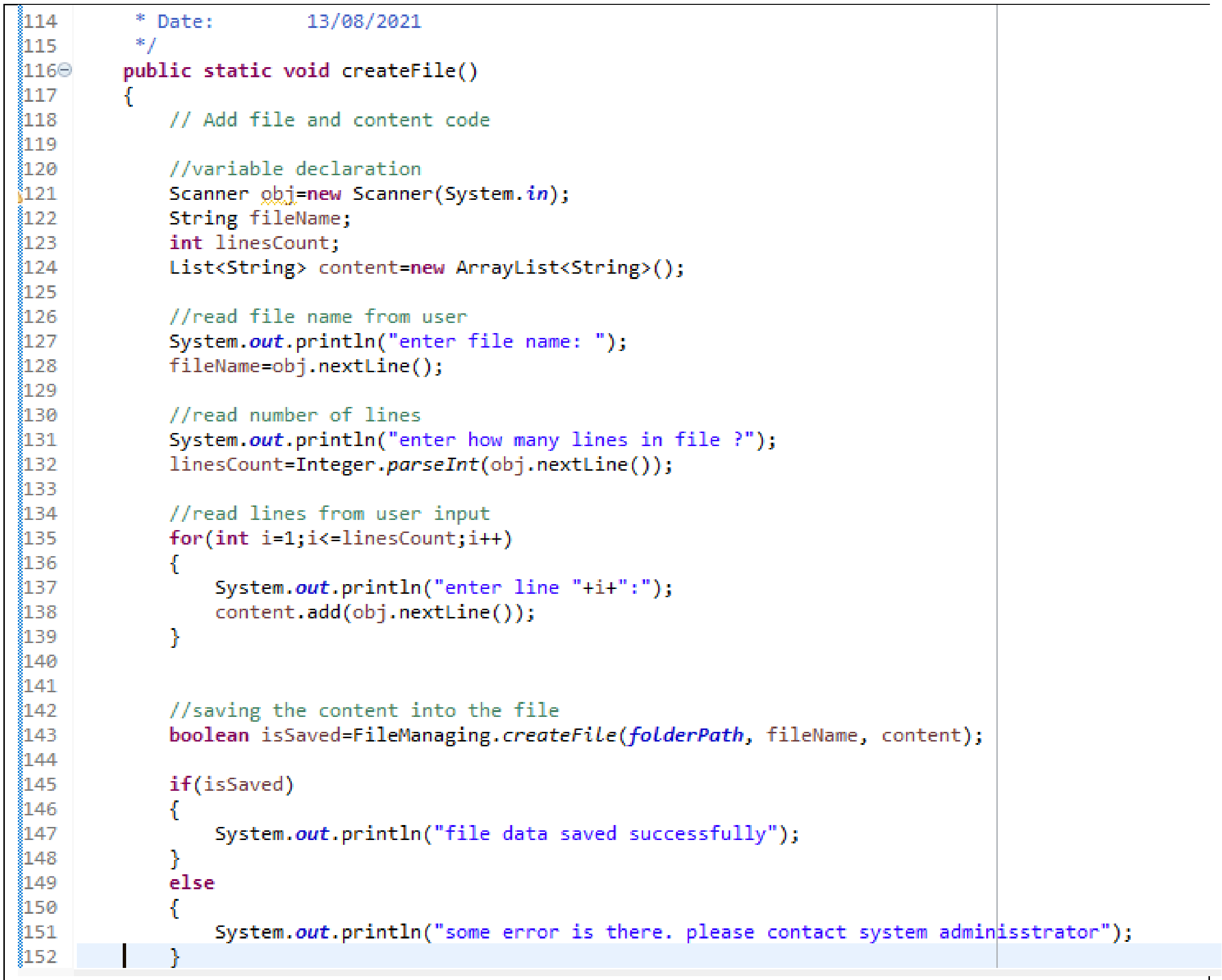
```java
package com.lokedme;

import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class LokedMeProj {

    static final String folderPath=
    "F:\\EGDownloads\\Simplilearn stuffs\\live class vedeos\\P-1\\Project(Phase-1)\\(LockedMe.com)-files";
    public static void main(String[] args)
    {
        int go=1;
        do
        {
        //Variable Declaration
        Scanner obj=new Scanner(System.in);
        int choice;

        //Menu
        displayMenu();

        System.out.println("enter your choice: ");
        choice=Integer.parseInt(obj.nextLine());

        switch (choice)
        {
            case 1: getAllFiles();
            break;

            case 2: createFile();
            break;

            case 3: deleteFile();
            break;

            case 4: searchFile();
            break;

```



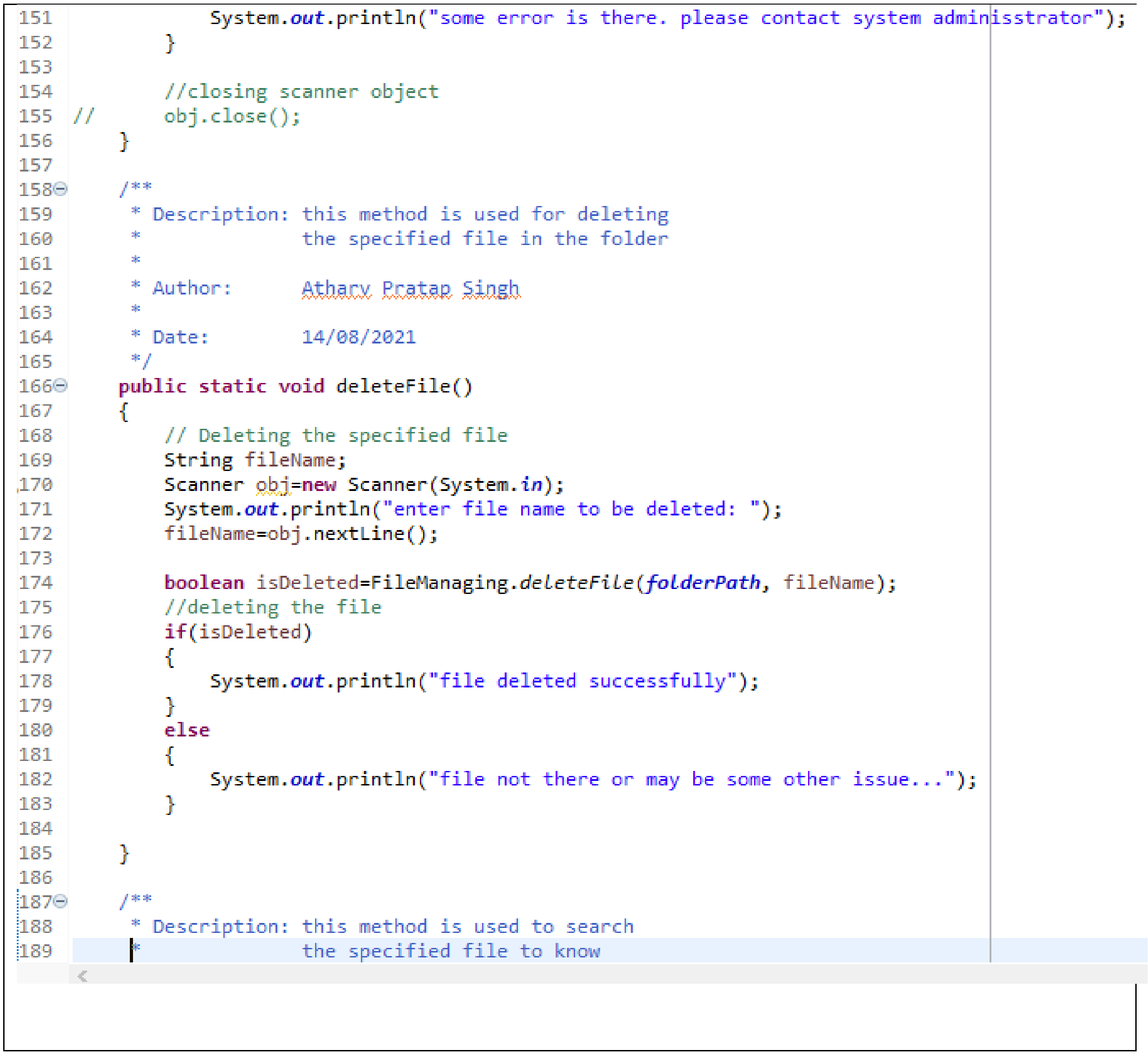
```java

            case 5: System.exit(0);
            break;


        default: System.out.println("Invalid Choice..");
        break;

        }
        }while(go>0);

    }

    /**
     * Description: this method is used to display the menu options
     *
     * Author:      Atharv Pratap Singh
     *
     * Date:        14/08/2021
     */
    public static void displayMenu()
    {
                Scanner obj=new Scanner(System.in);
//              int ch;

                System.out.println("*************************************************************");
                System.out.println("\t\tCompany Lockers Pvt. Ltd.");
                System.out.println("*************************************************************");
                System.out.println("**** 1. Display all files ***********************************");
                System.out.println("**** 2. Add new file ****************************************");
                System.out.println("**** 3. Delete a file ***************************************");
                System.out.println("**** 4. Search a file ***************************************");
                System.out.println("**** 5. Exit ************************************************");
                System.out.println("**** Enter your choice: *************************************");
                System.out.println("*************************************************************");
//              ch=Integer.parseInt(obj.nextLine());
//              return ch;

    }
```



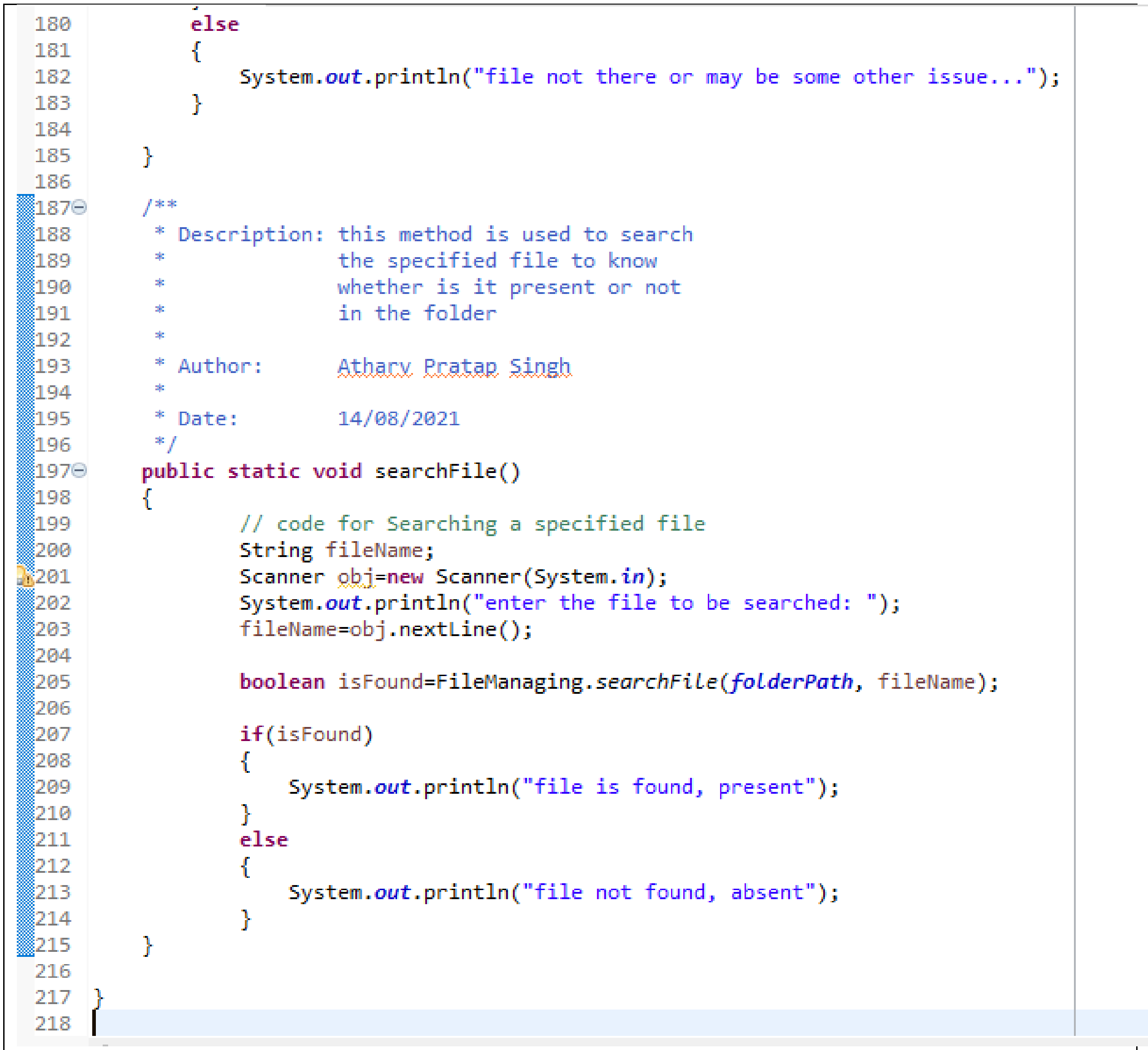
```java
    }

    /**
     * Description: this method is used for retrieving all
     *              files in ascending order
     *
     * Author:      Atharv Pratap Singh
     *
     * Date:        13/08/2021
     */
    public static void getAllFiles()
    {
        List<String> fileNames=FileManaging.getAllFiles(folderPath);

        if(fileNames.size()==0)
        {
            System.out.println("no files in the directory");
        }
        else
        {
            System.out.println("file list is below: \n");

        // Shows all files in folder but acending remains
        for(String s:fileNames)
        {
            System.out.println(s);
        }
        }
    }

    /**
     * Description: this method is used to add a new file
     *              along with some lines of content inside
     *              it
     *
     * Author:      Atharv Pratap Singh
     *
     * Date:        13/08/2021
     */
```



```java
     * Date:        13/08/2021
     */
    public static void createFile()
    {
        // Add file and content code

        //variable declaration
        Scanner obj=new Scanner(System.in);
        String fileName;
        int linesCount;
        List<String> content=new ArrayList<String>();

        //read file name from user
        System.out.println("enter file name: ");
        fileName=obj.nextLine();

        //read number of lines
        System.out.println("enter how many lines in file ?");
        linesCount=Integer.parseInt(obj.nextLine());

        //read lines from user input
        for(int i=1;i<=linesCount;i++)
        {
            System.out.println("enter line "+i+":");
            content.add(obj.nextLine());
        }


        //saving the content into the file
        boolean isSaved=FileManaging.createFile(folderPath, fileName, content);

        if(isSaved)
        {
            System.out.println("file data saved successfully");
        }
        else
        {
            System.out.println("some error is there. please contact system adminisstrator");
        }
```



```
            System.out.println("some error is there. please contact system adminisstrator");
        }

        //closing scanner object
//      obj.close();
    }

    /**
     * Description: this method is used for deleting
     *              the specified file in the folder
     *
     * Author:      Atharv Pratap Singh
     *
     * Date:        14/08/2021
     */
    public static void deleteFile()
    {
        // Deleting the specified file
        String fileName;
        Scanner obj=new Scanner(System.in);
        System.out.println("enter file name to be deleted: ");
        fileName=obj.nextLine();

        boolean isDeleted=FileManaging.deleteFile(folderPath, fileName);
        //deleting the file
        if(isDeleted)
        {
            System.out.println("file deleted successfully");
        }
        else
        {
            System.out.println("file not there or may be some other issue...");
        }

    }

    /**
     * Description: this method is used to search
     *              the specified file to know
```



```
        else
        {
            System.out.println("file not there or may be some other issue...");
        }

    }

    /**
     * Description: this method is used to search
     *              the specified file to know
     *              whether is it present or not
     *              in the folder
     *
     * Author:      Atharv Pratap Singh
     *
     * Date:        14/08/2021
     */
    public static void searchFile()
    {
            // code for Searching a specified file
            String fileName;
            Scanner obj=new Scanner(System.in);
            System.out.println("enter the file to be searched: ");
            fileName=obj.nextLine();

            boolean isFound=FileManaging.searchFile(folderPath, fileName);

            if(isFound)
            {
                System.out.println("file is found, present");
            }
            else
            {
                System.out.println("file not found, absent");
            }
    }

}
```

THANK YOU