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Batch	MS FSD DEC 2021 Cohort 1
Project Name	File Project
Project Submission Date	07-02-2022

Source Code

```
package lockedMepackage;

import java.io.*;
import java.util.*;

public class LockedMeClass
{
    static final String filePath = "D:\\Kiran\\LockedMeFiles";
    static final String errorMessage = "Error Occurred. Please Contact admin@Lockedme.com";
    static Scanner obj = new Scanner(System.in);
    public static void main(String[] args)
    {
        int ch;
        do
        {
            displayMenu();
            System.out.println("\n Please enter your Choice");
            ch=Integer.parseInt(obj.nextLine());

            switch(ch)
            {
                case 1:displayAllFiles();
                break;
                case 2:addNewFiles();
                break;
                case 3:deleteFiles();
                break;
                case 4:searchFiles();
                break;
                case 5:System.exit(0);
                break;
                default:System.out.println("Please choose valid option");
            }

            while(ch>0);
            obj.close();
        }
    }
}
```

```

}
/**
 * This function will display the Welcome page
 */

public static void displayMenu()
{
System.out.println("=====");
    System.out.println("\t \t Welcome to LockedMe.com \t");

System.out.println("=====");
    System.out.println("\t \t Please Choose your Option\t \n");
    System.out.println("\t 1. Display All Files from the Directory.");
    System.out.println("\t 2. Create new File in the Directory.");
    System.out.println("\t 3. Delete a File from the Directory.");
    System.out.println("\t 4. Search a File from the Directory.");
    System.out.println("\t 5. Exit. \n\n");
    System.out.println("\t\t\t\t\t Developed by");
    System.out.println("\t\t\t\t\t Nanubolu Sai Surya Kiran.");
    System.out.println("\t\t\tEmail: kirannanubolu@gmail.com \n\n");

}

/**
 * This Method Displays all the Files in the Directory
 */

public static void displayAllFiles()
{
    try
    {
        File folder= new File(filesPath);
        File[] listOfFiles=folder.listFiles();

        if(listOfFiles.length==0)
        {
            System.out.println("No Files Exist in the Directory");
        }
        else
        {
            System.out.println("The Below are the files Present : \n ");
            for(var l: listOfFiles)
            {
                System.out.println(l.getName());
            }
        }
    }
    catch(Exception Ex) {
        System.out.println(errorMessage);
    }
}

public static void addNewFiles()
{
    try
    {
        String fileName;

```

```

        System.out.println("Please enter the file Name");
        fileName = obj.nextLine();

        File folder= new File(filesPath);
        File[] listOfFiles=folder.listFiles();

        LinkedList<String> filenames=new LinkedList<String>();

        for(var l: listOfFiles)
            filenames.add(l.getName());

        if(filenames.contains(fileName))
        {
            System.out.println("File already exists. Please give
another name");
        }
        else
        {
            int linescount;
            System.out.println("Please enter the number of
lines to be created");

            linescount = Integer.parseInt(obj.nextLine());

            FileWriter fw= new
FileWriter(filesPath+"\\ "+fileName);
            for(int i=1;i<=linescount;i++)
            {
                System.out.println("Enter the Data to be
stored in line : "+i);

                fw.write(obj.nextLine()+"\n");
            }
            System.out.println("\t"+fileName + " File
Created Successfully");
            fw.close();
        }
    }
    catch(Exception Ex)
    {
        System.out.println(errorMessage);
    }
}

/**
 * This function Deletes the file as per the user
 */
public static void deleteFiles()
{
    try
    {
        String fileName;
        System.out.println("\n Enter the file name to be deleted
\n");

        fileName=obj.nextLine();

        File file= new File(filesPath+"\\ "+fileName);

```

```

        if (file.exists())
        {
            file.delete();
            System.out.println("File is deleted
successfully ");
        }
        else
            System.out.println("File doesnot
exist");
    }
    catch(Exception Ex)
    {
        System.out.println(errorMessage);
    }
}

/**
 * This Method will search the file and display the contents of it based
on user
 */
public static void searchFiles()
{
    try
    {
        String fileName;
        System.out.println("\n Enter the file name to be searched
");
        fileName=obj.nextLine();

        File folder= new File(filesPath);
        File[] listOfFiles=folder.listFiles();

        LinkedList<String> filenames=new LinkedList<String>();

        for(var l: listOfFiles)
            filenames.add(l.getName());

        if(filenames.contains(fileName))
        {
            System.out.println("\n File is found \n ");
        }
        else
            System.out.println("\n File is not found");
    }
    catch(Exception Ex) {
        System.out.println(errorMessage);
    }
}
}

```

Screen Shots

Welcome Page

```
=====
Welcome to LockedMe.com
=====
```

Please Choose your Option

1. Display All Files from the Directory.
2. Create new File in the Directory.
3. Delete a File from the Directory.
4. Search a File from the Directory.
5. Exit.

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Email: kirannanubolu@gmail.com

Please enter your Choice

Display all Files

```
=====
Welcome to LockedMe.com
=====
Please Choose your Option
```

1. Display All Files from the Directory.
2. Create new File in the Directory.
3. Delete a File from the Directory.
4. Search a File from the Directory.
5. Exit.

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Please enter your Choice

1

The Below are the files Present :

Bye.txt
Delete.txt
Dummy.txt
Hi.txt
Mummy.txt
Welcome.txt

Creating a new file

```
Please enter your Choice
2
Please enter the file Name
kiranlockedme.txt
Please enter the number of lines to be created
2
Enter the Data to be stored in line : 1
this is kiran
Enter the Data to be stored in line : 2
Also known as king
kiranlockedme.txt File Created Successfully
```

File Already exists

```
Please enter your Choice
2
Please enter the file Name
Hi.txt
File already exists. Please give another name
```

Delete file case 1 : File Does not exist

```
Please enter your Choice
3
Enter the file name to be deleted
king.txt
File doesnot exist
```

Case 2 : File is found and deleted

```
Please enter your Choice
3
Enter the file name to be deleted
Delete.txt
File is deleted successfully
```

Search a file Case 1 : File is found

```
Please enter your Choice
4
Enter the file name to be searched
Hi.txt
File is found
```

Case 2 : File not found

Please enter your Choice

4

Enter the file name to be searched

raju.txt

File is not found

Exit

=====

Welcome to LockedMe.com

=====

Please Choose your Option

1. Display All Files from the Directory.
2. Create new File in the Directory.
3. Delete a File from the Directory.
4. Search a File from the Directory.
5. Exit.

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Please enter your Choice

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