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Batch	MS FSD DEC 2021 Cohort 1
Project Name	Private Lockers
Project Submission Date	28-01-2022

Source Code

```
package lockedMePackage;
import java.io.*;
import java.util.*;

public class LockedMeClass
{
    static final String lockedMeFilePath ="D:\\Locked_Me_Files";
    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
        {
            mainMenu();
            System.out.println("\n\t Please enter your Choice");
            ch=Integer.parseInt(obj.nextLine());

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

```

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

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

public static void mainMenu()
{
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 Developed by");
    System.out.println("\t\t\t Chekka Nagaraju.");
    System.out.println("\t\tEmail: nagaraju21186@gmail.com \n\n");

}

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

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

        if(listOfFiles.length==0)
        {
            System.out.println("\tNo Files Exist in the Directory");
        }
        else
        {
            System.out.println("\tThe Below are the files Present : \n ");
            for(var l: listOfFiles)
            {
                System.out.println("\t" + l.getName());
            }
        }
    }
    catch(Exception Ex) {

```

```

        System.out.println(errorMessage);
    }
}
public static void createNewFiles()
{
    try
    {
        String fileHeading;
        System.out.println("\tPlease enter the file Heading");
        fileHeading = obj.nextLine();

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

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

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

        if(filenames.contains(fileHeading))
        {
            System.out.println("\tFile already exists. Please give another name");
        }
        else
        {
            int linescount;
            System.out.println("\tPlease enter the number of lines to be created");
            linescount = Integer.parseInt(obj.nextLine());

            FileWriter fw= new FileWriter(lockedMeFilesPath+"\\ "+fileHeading);
            for(int i=1;i<=linescount;i++)
            {
                System.out.println("\tEnter the Data to be stored in line : "+i);
                fw.write(obj.nextLine()+"\n");
            }
            System.out.println("\t"+fileHeading + " 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\t Enter the file name to be deleted \n");
        fileName=obj.nextLine();

        File file= new File(lockedMeFilesPath+"\\ "+fileName);
        if (file.exists())
        {
            file.delete();
            System.out.println("\tFile is deleted successfully : "+fileName);
        }
        else
            System.out.println("\tFile 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\t Enter the file name to be searched ");
        fileName=obj.nextLine();

        File folder= new File(lockedMeFilesPath);
        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\t File is found \n ");
            System.out.println("The contents of "+fileName+ " are as follows : \n");

            File f= new File(lockedMeFilesPath+"\\ "+fileName);

```

```

        FileReader fr=new FileReader(f);
        BufferedReader br= new BufferedReader(fr);
        String line=br.readLine();

        while(line!=null)
        {
            System.out.println(line);
            line=br.readLine();
        }
        fr.close();
        br.close();
    }
else
    System.out.println("\n\t File is not found");

}
catch(Exception Ex) {
    System.out.println(errorMessage);
}

}
}

```

Screen Shots

Main Menu

```

=====
                        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

```

Display all Files

```

Please enter your Choice
1
The Below are the files Present :

Details.txt
Employee.txt
Exit.txt
Hello.txt
Hero.txt
NewFile.txt
Raju.txt
SourceCode.txt
SubMenu.txt
Test2.txt
Test3.txt
Testing.txt
Welcome.txt

=====
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.

```

Creating a new file

```

Please enter your Choice
2
Please enter the file Heading
Test5.txt
Please enter the number of lines to be created
3
Enter the Data to be stored in line : 1
Line1
Enter the Data to be stored in line : 2
Line2
Enter the Data to be stored in line : 3
Line3
Test5.txt File Created Successfully

```

File Already exists

```
Please enter your Choice
2
Please enter the file Heading
Test5.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
Abc.txt
File doesnot exist
```

Case 2 : File is found and deleted

```
Please enter your Choice
3
Enter the file name to be deleted
Test5.txt
File is deleted successfully : Test5.txt
```

Search a file Case 1 : File is found and displayed

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

The contents of Welcome.txt are as follows :

Welcome to Locked Me . Com

Please select your options from the below:

1. Display All files from this Directory.
2. Add/Delete/Search a file from this Directory.
3. Exit.
```

Case 2 : File not found

Please enter your Choice

4

Enter the file name to be searched

Dummy.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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