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<b>Batch</b>	<b>11 DEC 2021 (INTRODUCTION CLASS)</b>
<b>Project Title</b>	<b>Locked Me</b>
<b>Project Submission Date</b>	<b>1/28/2022</b>

## Source Code

```
package lockedMeProject;

import java.io.File;
import java.io.FileWriter;
import java.util.LinkedList;
import java.util.Scanner;

public class LockedMe
{
    static final String projectFilePath = "D:\\Workspace_30oct\\LockedMeFiles";
    static final String errorMessage = "Some error occurred. Please contact : admin@Lockme.com";

    public static void main(String[] args)
    {
        Scanner obj = new Scanner(System.in);
        int ch;
        try
        {
            do
            {
                displayMenu();
                System.out.println("Enter your choice:");
                ch=Integer.parseInt(obj.nextLine());

                switch(ch)
                {
                    case 1:getALLFiles();
                    break;
                    case 2:createFiles();
                    break;
                    case 3:deleteFiles();
                    break;
                    case 4:searchFiles();
                    break;
                    case 5:System.exit(0);
                    break;
                    default:System.out.println("Invalid Option");
                }
            }
        }
    }
}
```

```

        break;
    }
}
while(ch>0);
}
catch(NumberFormatException Ex)
{
    System.out.println("Please only enter digits between 1-5 ");
}
finally
{
    obj.close();
}

}
public static void displayMenu()
{
    System.out.println("*****");
    System.out.println("\t\tWelcome to Lockedme.com");

    System.out.println("*****");
    System.out.println("\t\t1. Display all the files");
    System.out.println("\t\t2. Add a new file");
    System.out.println("\t\t3. Delete a file");
    System.out.println("\t\t4. Search a file");
    System.out.println("\t\t5. Exit");
}
/**
 * This function will return all the files from the project directory.
 */

public static void getAllFiles()
{
    try{
        File folder = new File(projectFilePath);
        File[] listOfFiles = folder.listFiles();
        if(listOfFiles.length==0)

```

```

        System.out.println("No files exist in the directory");
    else
    {
        for(var l:listOfFiles)
        {
            System.out.println(l.getName());
        }
    }
}
catch(Exception Ex)
{
    System.out.println(errorMessage);
}
}

/**
 * This method will create the files.
 */
public static void createFiles()
{
    try
    {
        Scanner obj = new Scanner(System.in);

        String fileName;

        System.out.println("Enter file name:");
        fileName = obj.nextLine();

        int linesCount;
        System.out.println("Enter how many lines in the file:");
        linesCount = Integer.parseInt(obj.nextLine());

        FileWriter myWriter = new FileWriter(projectFilePath + "\\\" + fileName);

        for(int i=1; i<=linesCount; i++)
        {
            System.out.println("Enter the file line:");
            myWriter.write(obj.nextLine()+"\n");
        }
    }
}

```

```

    }
    System.out.println("File created Successfully");
    myWriter.close();

}

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

/**
 * This method will delete file based on provided file name
 */
public static void deleteFiles()
{
    Scanner obj = new Scanner(System.in);
    try
    {
        String fileName;
        System.out.println("Enter the file name to be deleted");

        fileName = obj.nextLine();

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

        if(file.exists())
        {
            file.delete();
            System.out.println("File deleted Successfully: "+fileName);
        }else
            System.out.println("File do not exist");
    }
    catch(Exception Ex)
    {
        System.out.println(errorMessage);
    }
}
}

```

```

/**
 * This method will search file from the directory.
 */
public static void searchFiles()
{
    @SuppressWarnings("resource")
    Scanner obj = new Scanner(System.in);

    try
    {
        String fileName;
        System.out.println("Enter the file name to be searched");

        fileName = obj.nextLine();
        File folder = new File(projectFilePath);
        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 is available");
        else
            System.out.println("File is not available");

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

}
}

```

## SCREEN SHOT

### Display All The Files:

```
LockedMe [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 28, 2022, 4:37:34 PM)
*****
                Welcome to Lockedme.com
                ~~~~Designed by RAHUL KUMAR~~~~
*****
        1. Display all the files
        2. Add a new file
        3. Delete a file
        4. Search a file
        5. Exit
Enter your choice:
1
Abc.txt
Hello.txt
Simplilearn.txt
Sl.txt
```

### Add A New File:

```
LockedMe [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 28, 2022, 4:48:06 PM)
*****
                Welcome to Lockedme.com
                ~~~~Designed by RAHUL KUMAR~~~~
*****
        1. Display all the files
        2. Add a new file
        3. Delete a file
        4. Search a file
        5. Exit
Enter your choice:
2
Enter file name:
Simplilearn.txt
Enter how many lines in the file:
3
Enter the file line:
Best Institiute.
Enter the file line:
Best Trainers have.
Enter the file line:
Extraordinary Environment.
File created Successfully
```

### Delete A File:

```
LockedMe [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 28, 2022, 4:53:22 PM)
*****
Welcome to Lockedme.com
~~~~~Designed by RAHUL KUMAR~~~~~
*****
1. Display all the files
2. Add a new file
3. Delete a file
4. Search a file
5. Exit
Enter your choice:
3
Enter the file name to be deleted
Sl.txt
File deleted Successfully: Sl.txt
*****
```

### Search A File:

```
*****
Welcome to Lockedme.com
~~~~~Designed by RAHUL KUMAR~~~~~
*****
1. Display all the files
2. Add a new file
3. Delete a file
4. Search a file
5. Exit
Enter your choice:
4
Enter the file name to be searched
Simplilearn.txt
File is available
```