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Cohort	**MS FSD DEC 2021 Cohort 1**
Phase	**1-Implement OOPS using JAVA with Data Structures and Beyond**
Project Title	**Virtual Key for Your Repositories**
Project Submission Date	**26/01/2022**

❖ Source code

```
package com.LockedMe;


import java.io.File;

import java.io.FileWriter;

import java.util.LinkedList;

import java.util.Scanner;


public class LockedMe {


	static final String projectFilePath = "D:\\Simplilearn learning\\Course 2-Implement OOPS using JAVA with Data Structures and Beyond\\Project\\LockedMeFiles";

	static final String errorMassage = "Some error occured please contact : admin@lockedMe.com";

	static Scanner obj = new Scanner(System.in);


	public static void main(String[] args)

	{

		try {

		int ch;

		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<=4);

}
                catch(Exception e){
                        System.out.println(errorMassage);
                }

                finally {
                        obj.close();
                }
}

/**
 * Display the menu of LokedMe.com
 */
public static void displayMenu()
{
System.out.println("*********************************************************************************");
                System.out.println("\t\tWelcome to LockedMe.com"+"\t\t\tDesigned by-Tushar V Supe");
System.out.println("*********************************************************************************");
                System.out.println("\t\t1.Display all the file");
                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 e){
			System.out.println(errorMassage);
		}
}

public static void createFiles()
{

		try
		{
```

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

File file= new File(projectFilePath + "\\" +fileName);
if(file.exists()) {
        System.out.println("File already exist");
}

else
{
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 e)
{
System.out.println(errorMassage);
}

}

/**
```

```
 * This method will delete the file from the directory based on provided file name.
 */
public static void deleteFiles()
{
		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())
		{
		fileName.equals(fileName);
		file.delete();
		System.out.println("File is deleted successfully :"+" " + fileName );
		}
		else
		System.out.println("File not found in your local repository :"+"\\" +fileName);

		}
		catch(Exception e)
		{
		System.out.println(errorMassage);
		}

}
/**
 * This method will search files from  the directory
 */
public static void searchFiles()
{
		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(fileName +"==>>"+ "This file is available.");

                else {

                        System.out.println(fileName +"==>>"+" This file is not available.");

                }

                }

                catch(Exception e)

                {

                System.out.println(errorMassage);

                }


        }

}
```