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Batch Name	MS FSD DEC 2021 Cohort 1
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Project Title	LockedMe.com
Project Submission Date	26/01/2022

SourceCode

```java
import java.io.File;
import java.util.Scanner;

public class LockedMe
{
        public static String filePath="C:\\Users\\SIVA REDDY\\Desktop\\Myfiles";
        public static String errorMsg="Something went wrong,Please contact
lockedme@lkf.com";
        static Scanner scanner = new Scanner(System.in);
        public static void main(String[] args)
        {
                String userChoice;
                boolean toContinue=true;
        do
        {
                dispalyMenu();
        System.out.println("Please enter your choice");

        userChoice=scanner.nextLine();
        switch (userChoice)
        {
        // This case will call displayFiles method to get files from the folder
        case "1":displayFiles();
        break;
        // This case will call createFiles method to create files in the folder
        case "2":createFiles();
        break;
        // This case will call deleteFile method to delete files from the folder
        case "3":deleteFile();
        break;
        // This case will call searchFile method to search files from the folder
        case "4":searchFile();
        break;
        case "5":System.out.println("Thank You! Please visit again");
                System.exit(0);

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

        }

        if(toContinue)
        {
                System.out.println("Do you want to continue? yes to continue/any other key to
stop");
                String wantToContinue = scanner.nextLine().toLowerCase();
                if(wantToContinue.contains("yes"))
                        toContinue=true;
                else
```

```java
                {
                        toContinue=false;
                        System.out.println("Thank you for Visiting.Have a Nice Day");
                }
        }
        }
        while(toContinue);
        }
        /**
         * This method will display menu options to the user.
         */
        public static void dispalyMenu()
        {
        System.out.println("******** Welcome to LockedMe.com *********");
        System.out.println("========= Developed by SivaReddy ==========");
        System.out.println("###########################################");
        System.out.println("@@@@@@@@ File Management Sysytem @@@@@@@@@@");
        System.out.println("\t1.Display All Files\t\n\t2.Add a new file\t\n\t3.Delete a
file\t\n\t4.search a file\t\n\t5.Exit");
        }
        /**
         * This method will display all the files present in the folder
         */
        public static void displayFiles()
        {
                try
                {
                        File file=new File(filePath);
                        File[] listoffiles=file.listFiles();
                        if(listoffiles.length==0)
                                System.out.println("No Files Found in directory");
                        else
                        {
                                for(var l:listoffiles)
                                        System.out.println(l.getName());
                        }


                }
                catch (Exception e)
                {
                        System.out.println(errorMsg);
                }
        }
        /**
         * This method will create the files
         */
        public static void createFiles()
        {
                try {
                        System.out.println("Enter the filename to be created");
```

```java
                String userFile=scanner.nextLine();
                File myFile = new File(filePath + "\\" + userFile);
                if (myFile.createNewFile()) {
            System.out.println("File created: " + myFile.getName());
          } else {
            System.out.println("File already exists.");
        }
        }
                catch (Exception e) {
                System.out.println(errorMsg);
        }
    }

    /**
     * This method will search for the files present in the directory
     */
    public static void searchFile()
    {
            try
            {
            File file=new File(filePath);
            File[] listoffiles=file.listFiles();
            System.out.println("Enter the file name to be search");
            String filename=scanner.nextLine();
            boolean found=false;
    for(File f:listoffiles)
            {
                    if(f.getName().contains(filename))
                     found = true;

            }
    System.out.println(found? "Entered file "+filename+ " exists":"File Not Found");
            }
            catch (Exception e) {
                    System.out.println(errorMsg);
            }

    }
    /**
     * This method will delete the files
     */
    public static void deleteFile()
    {
            try
            {


            File file=new File(filePath);
            File[] listoffiles=file.listFiles();
            System.out.println("Enter the name to be deleted");
            String fileDelete=scanner.nextLine();
```

```java
            boolean isDeleted = false;
            for(File f:listoffiles)
            {
                    if(f.getName().contains(fileDelete))
                    {
                            f.delete();
                            isDeleted=true;

                    }
                            }
            System.out.println(isDeleted?"File "+fileDelete+" Successfully":"File Not found");
            }

            catch (Exception e) {
                    // TODO: handle exception
                    System.out.println(errorMsg);
            }


    }
}
```
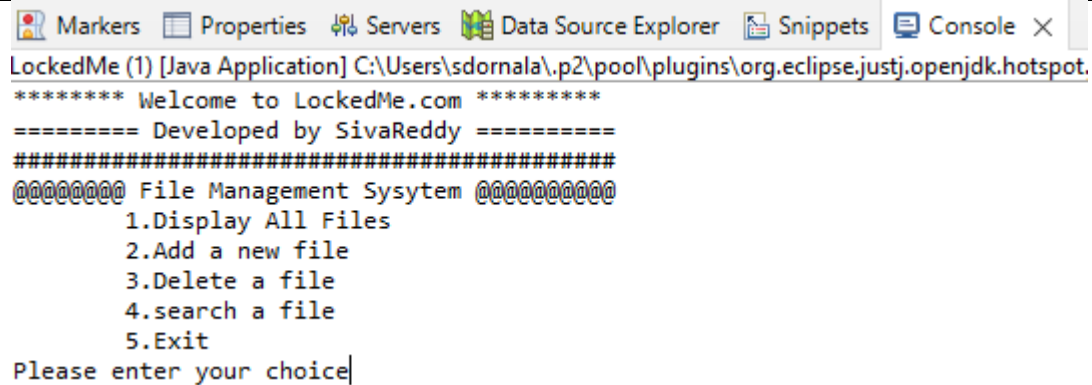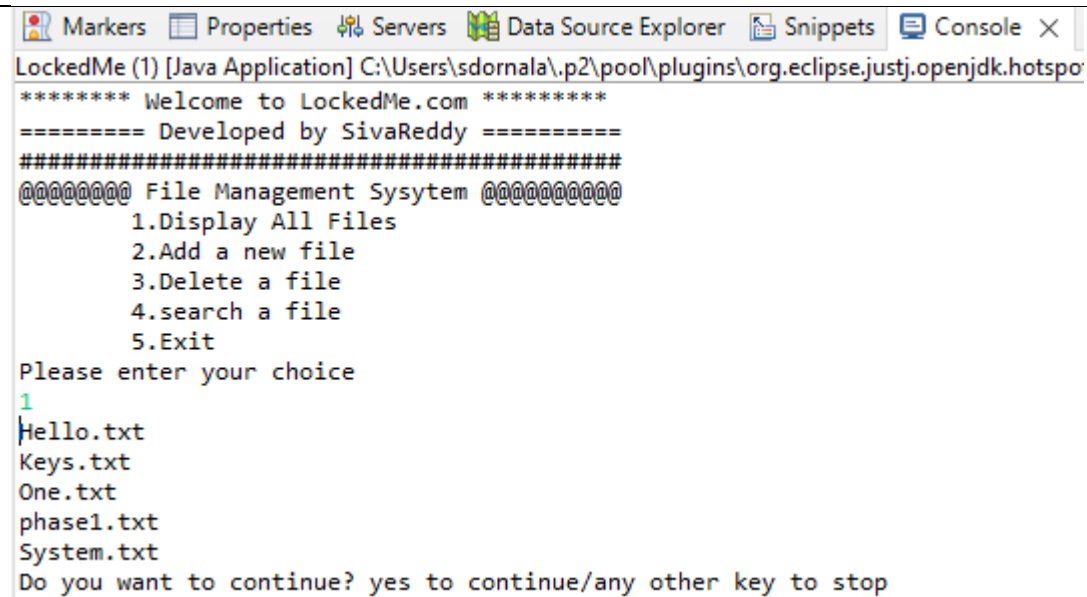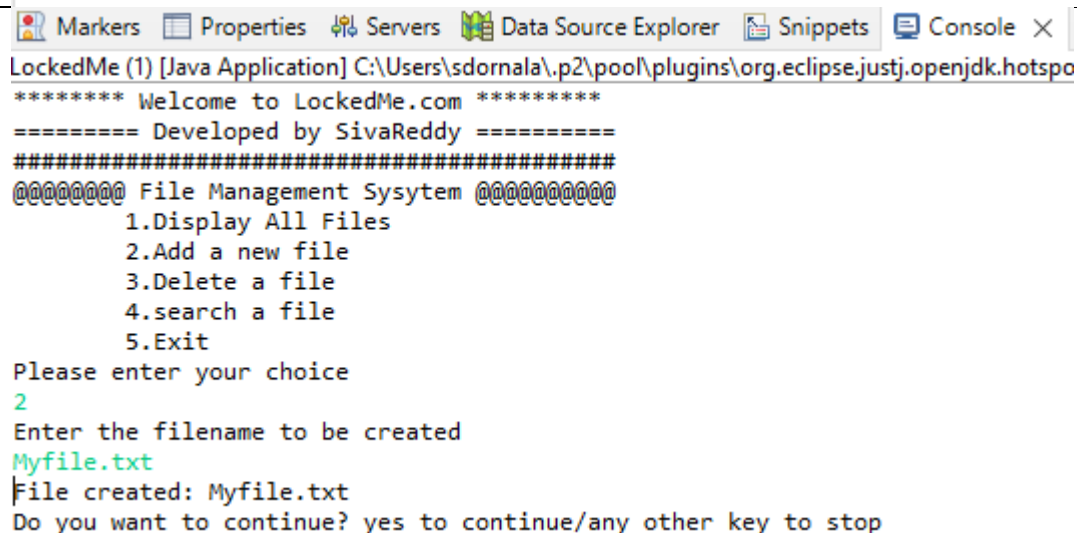
```
Markers  Properties  Servers  Data Source Explorer  Snippets  Console  X
LockedMe (1) [Java Application] C:\Users\sdornala\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.
******** Welcome to LockedMe.com *********
========= Developed by SivaReddy ==========
#########################################
@@@@@@@ File Management Sysytem @@@@@@@@@
        1.Display All Files
        2.Add a new file
        3.Delete a file
        4.search a file
        5.Exit
Please enter your choice
```

```
Markers  Properties  Servers  Data Source Explorer  Snippets  Console  X
LockedMe (1) [Java Application] C:\Users\sdornala\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot
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#########################################
@@@@@@@ File Management Sysytem @@@@@@@@@
        1.Display All Files
        2.Add a new file
        3.Delete a file
        4.search a file
        5.Exit
Please enter your choice
1
Hello.txt
Keys.txt
One.txt
phase1.txt
System.txt
Do you want to continue? yes to continue/any other key to stop
```

```
Markers  Properties  Servers  Data Source Explorer  Snippets  Console  X
LockedMe (1) [Java Application] C:\Users\sdornala\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspo
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#########################################
@@@@@@@ File Management Sysytem @@@@@@@@@
        1.Display All Files
        2.Add a new file
        3.Delete a file
        4.search a file
        5.Exit
Please enter your choice
2
Enter the filename to be created
Myfile.txt
File created: Myfile.txt
Do you want to continue? yes to continue/any other key to stop
```

```
Do you want to continue? yes to continue/any other key to stop
yes
******** Welcome to LockedMe.com *********
========= Developed by SivaReddy ==========
##########################################
@@@@@@@@ File Management Sysytem @@@@@@@@@@
        1.Display All Files
        2.Add a new file
        3.Delete a file
        4.search a file
        5.Exit
Please enter your choice
3
Enter the name to be deleted
Myfile.txt
File Myfile.txt Successfully
Do you want to continue? yes to continue/any other key to stop
```

```
******** Welcome to LockedMe.com *********
========= Developed by SivaReddy ==========
##########################################
@@@@@@@@ File Management Sysytem @@@@@@@@@@
        1.Display All Files
        2.Add a new file
        3.Delete a file
        4.search a file
        5.Exit
Please enter your choice
4
Enter the file name to be search
System.txt
Entered file System.txt exists
Do you want to continue? yes to continue/any other key to stop
```

```
******** Welcome to LockedMe.com *********
========= Developed by SivaReddy ==========
##########################################
@@@@@@@@ File Management Sysytem @@@@@@@@@@
        1.Display All Files
        2.Add a new file
        3.Delete a file
        4.search a file
        5.Exit
Please enter your choice
5
Thank You! Please visit again
```