

Source code of the assessment

Simplilearn Assessment 1

-----LockedMe.com

Abstract:

In this file you can see the source code of lockedMe.com which is written in java with Eclipse IDE.

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```

package assignment;
import java.io.*;
import java.util.*;

class operation
{
    static Scanner sc = new Scanner(System.in);
    static void    showFiles()
    {
        String [] filename;
        File f=new File("C:\\Users\\Edwin A\\eclipse-
workspace\\phase1\\src\\assignment\\");

        filename=f.list();
        for(String files:filename)
        {
            System.out.println(files);
        }
    }

    static void addFile() throws Exception //starts of
addFile method
    {
        //Extension is to be added just to perfection of
file.
        System.out.println("Please enter file name with
extention(Such as Me.txt/You.java etc): ");
        String filename=null;
        try {
            filename=sc.next();
        }catch(InputMismatchException e) {
            System.out.println("Invalid inputs are given,
please give correct input");
        }catch(NullPointerException e) {
            e.printStackTrace();
        }
        //adding a new file to the directory
        String filepath="C:\\Users\\Edwin A\\eclipse-
workspace\\phase1\\src\\assignment\\"+filename;
    }
}

```

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        File newFile=new File(filepath);

        Boolean flag=null;
        flag = newFile.createNewFile();

        if(flag==false)
        {
            System.out.println("File name "+filename+" is
already in the Directory !!!");
        }else
        {
            System.out.println("File has been created
succesfully on below path \n"+newFile);
        }
    }//end of addFile method

    static void deleteFile() throws Exception //starts of
deleteFile method
    {
        System.out.println("Please tell us, which file you
want to remove: ");
        String filename=sc.next();
        File f=new File("C:\\Users\\Edwin A\\eclipse-
workspace\\phase1\\src\\assignment\\"+filename);
        if(f.delete())
        {
            System.out.println("The File name
"+f.getName()+" is Deleted");
        }
        else
        {
            System.out.println("The file name
"+f.getName()+" is not available");
        }
    }//end of deleteFile method

    static void searchFileName()//starts of searchFileName
method
    {

```

```

        System.out.println("Please give file name to
find");
        String fname=sc.next();
        File dir=new File("C:\\Users\\Edwin A\\eclipse-
workspace\\phase1\\src\\assignment\\");
        String[] filelist =dir.list();
        int flag=0;

        if(filelist==null)
        {
            System.out.println("Empty Directory");
        }
        else
        {
            for(int i=0;i<filelist.length;i++)
            {
                String filename=filelist[i];
                if(filename.equalsIgnoreCase(fname))
                {
                    System.out.println("File name
"+filename+" is available in the Directory !");
                    flag = 1;
                }
            }
        }
        if(flag==0)
        {
            System.out.println("File name "+fname+" is not
available");
        }
    } //end of searchFileName method
}

```

```

//Main Class starts from here
public class VirtualKey extends operation{
    static Scanner sc=new Scanner(System.in);

    private static void mydetails()

```

```

    {
        System.out.println("\n<----- Hi Everyone! Welcome
to My Project ----->\n\n");

        System.out.println("=====
=====
\nLet me introduce my
self\n=====");
        System.out.println("My Name is Edwin");
        System.out.println("My Project name is
LockedMe.com");
        System.out.println("My mail id is
edwin.dass50383@gmail.com\n=====
=====
\n");
    }
    static void subchoice() throws Exception
    {
        int ch=0;
        breakMe: while(true) {
            System.out.println("\nPlease select any of
below\n~~~~~\n1. Let's add new file\n"
+ "\n2. Let's delete a file\n\n3. Let's
find a file\n\n4. Let's go back to main
menu\n~~~~~");
            boolean flag=true;
            while(flag) try {
                ch=sc.nextInt();
                flag=false;
            }
            catch(InputMismatchException e){
                System.out.println("Please Enter a number
not a Character");
                sc.nextLine();
            }
            switch(ch) {
            case 1:
                addFile();
                break;
            case 2:

```

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        deleteFile();
        break;
    case 3:
        searchFileName();
        break;
    case 4:
        System.out.println("\nMain menu is just
downside.\n~~~~~\n");
        break breakMe;
    default:
        System.out.println("\nNice input but it
won't work.\nPlease enter value from 1 to 4.\nThank you!");
    }
}
}
public static void main(String[] args) throws Exception
{
    int ch=0;
    VirtualKey.mydetails();
    while(true) {
        System.out.println("\nPlease enter your choice
from below \n~~~~~ \n\n1.
Want to see files in ascending order ? - press 1\n"
        +"\n2. Want to do some operation ? -
press 2 \n\n3. Want to end the program ? - press 3");
        boolean flag=true;
        while(flag) try {
            ch=sc.nextInt();
            flag=false;
        }
        catch(InputMismatchException e){
            System.out.println("Please Enter a number not
a Character");
            sc.next();
        }

        switch(ch) {
            case 1:

```

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        System.out.println("File's List
ascending order\n~~~~~");
        showFiles();
        break;
    case 2:
        VirtualKey.subchoice();
        break;
    case 3:
        System.out.println("<----- Thank you
so much! Please Visit Again.\n\nby Edwin A. ----->");
        System.exit(0);
        break;
    default:
        System.out.println("\nNice input but
it won't work.\nPlease enter value from 1 or 2 or 3.\nThank
you!");
    }
}
}
}

```