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Course: B.Sc (Hons) CS

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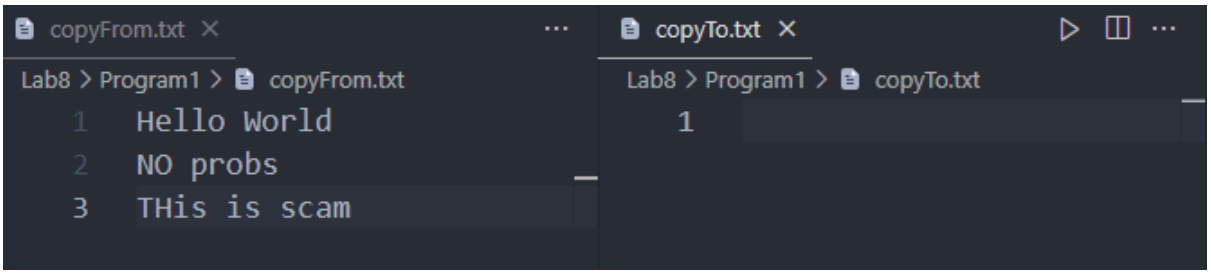
LAB EXERCISE 6

```
import java.io.*;
public class CopyFileExample {

    public static void main(String [] args){
        int i;
        FileInputStream fin;
        FileOutputStream fout;
        if(args.length==2){
            System.out.println("Input Filename: "+args[0]);
            System.out.println("Output Filename: "+args[1]);
        }

        try {
            fin=new FileInputStream(args[0]);
            fout=new FileOutputStream(args[1]);




            do{
                i=fin.read();
                if(i!=-1){
                fout.write(i);
                }
            }while(i!=-1);

        }
        catch(FileNotFoundException e){
            System.out.println("File Not Found");
        }
        catch(IOException e){
            System.out.println("Reading or Writing not possible");
        }
        System.out.println("File Copy Successful");
    }
```

```
}
```

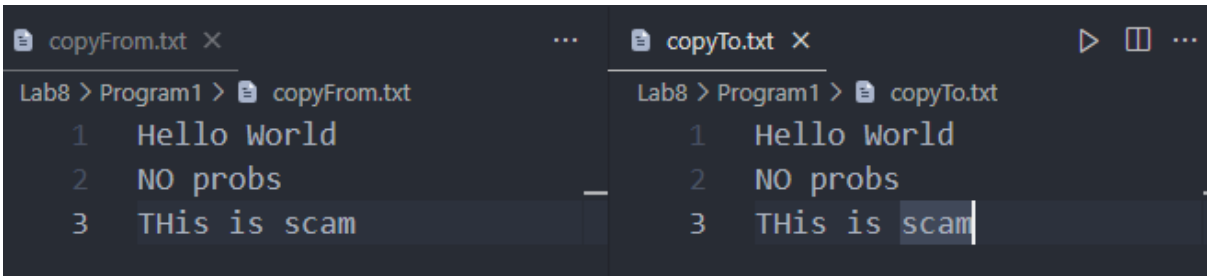
CONTENT OF FILES (BEFORE)



OUTPUT

```
PS D:\ANDC\Sem-2\Java\Lab8\Program1> java CopyFileExample
copyFrom.txt copyTo.txt
Input Filename: copyFrom.txt
Output Filename: copyTo.txt
File Copy Successfull
```

CONTENT OF FILES (AFTER)



LAB EXERCISE 7

```
import java.io.*;

public class SpecificLine {
    public static void main(String[] args) {
        String str;

        int i;
        if (args.length == 1) {
            System.out.println("Input Filename: " + "Text.txt");
        }
        try {
            FileReader fr = new FileReader("Text.txt");

            BufferedReader br = new BufferedReader(fr);
            str = br.readLine();
            while (str != null) {
```

```
                if ((str.charAt(0) == '/') && (str.charAt(1) == '/'))
{
                    System.out.println(str.substring(2,str.length()));
                }
                str = br.readLine();
            }
        } catch (FileNotFoundException e) {
            System.out.println("File Not Found");
        } catch (IOException e) {
            System.out.println("Reading not possible");
        }

    }
}
```

TEXT.txt

Lab8 > Program2 > TEXT.txt

```
1  //This must be printed.
2  This must be skipped.
3  //Print this too.
```

OUTPUT

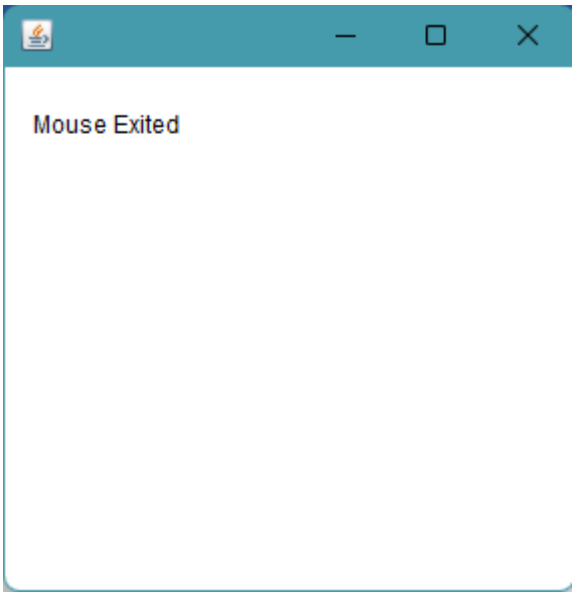
```
PS D:\ANDC\Sem-2\Java\Lab8\Program2> cd "d:\ANDC\Sem-2\Java\Lab8\Program2
\" ; if ($?) { javac SpecificLine.java } ; if ($?) { java SpecificLine }
This must be printed.
Print this too.
```

Lab EXERCISE 8

```
// Write a program to handle mouse events(Clicked, Entered, Exited,
Presses, and Released).
// Lab Exercise 8
import java.awt.*;
import java.awt.event.*;
public class MouseExample extends Frame implements MouseListener{
    Label l;
    MouseExample(){
        addMouseListener(this);
```

```
        l=new Label();
        l.setBounds(20,50,100,20);
        add(l);
        setSize(300,300);
        setLayout(null);
        setVisible(true);
    }
    public void mouseClicked(MouseEvent e) {
        l.setText("Mouse Clicked");
    }
    public void mouseEntered(MouseEvent e) {
        l.setText("Mouse Entered");
    }
    public void mouseExited(MouseEvent e) {
        l.setText("Mouse Exited");
    }
    public void mousePressed(MouseEvent e) {
        l.setText("Mouse Pressed");
    }
    public void mouseReleased(MouseEvent e) {
        l.setText("Mouse Released");
    }
public static void main(String[] args) {
    new MouseExample();
}
}
```

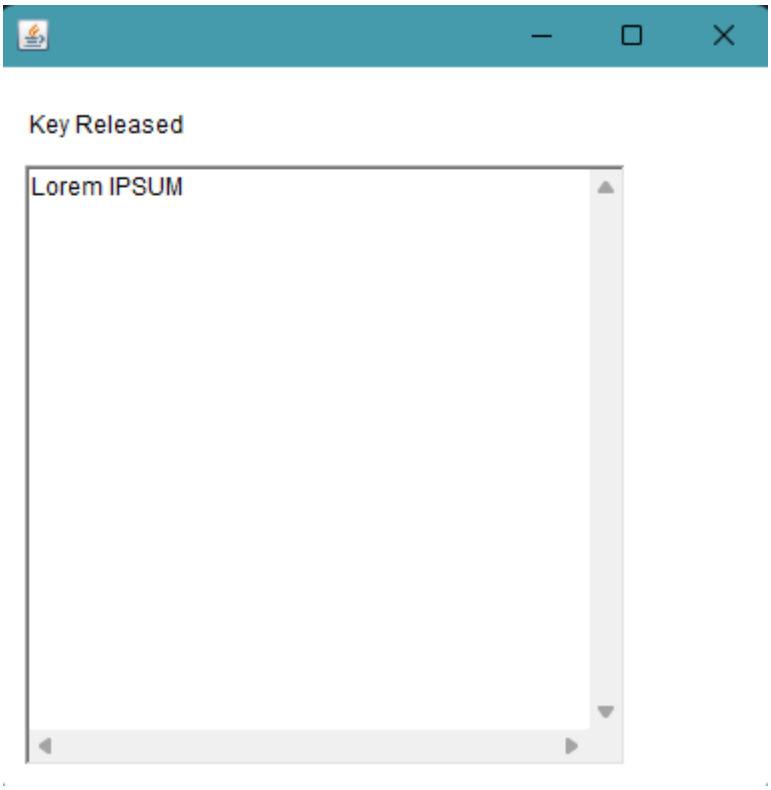
OUTPUT



LAB EXERCISE 9

```
import java.awt.*;
import java.awt.event.*;

public class KeyExample extends Frame implements KeyListener {
    Label l;
    TextArea area;

    KeyExample() {
        l = new Label();
        l.setBounds(20, 50, 100, 20);

        area = new TextArea();

        area.setBounds(20, 80, 300, 300);

        area.addKeyListener(this);

        add(l);
        add(area);
        setSize(400, 400);
        setLayout(null);
        setVisible(true);
    }

    public void keyPressed(KeyEvent e) {
        l.setText("Key Pressed");
    }

    public void keyReleased(KeyEvent e) {
        l.setText("Key Released");
    }

    public void keyTyped(KeyEvent e) {
        l.setText("Key Typed");
    }

    public static void main(String[] args) {
        new KeyExample();
    }
```

```
}
```


Key Released
Lorem IPSUM