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MSE - 2

Subject - Java.

Sem - 5<sup>th</sup>

Sujay Pg 1

## Question.

1. (a) Create a swing application having two buttons named alpha and beta. When either pressed it should display "Alpha pressed" & "beta pressed" respectively.
  - (b) Write Java program to copy ~~one~~ the content of one file to another file using command line parameters.
2. (a) Implement Java program to perform Random access ~~the~~ file operation to store and retrieve data organized in the form of records.
- (b) Develop a swing based Java program to demonstrate features combo box..

## Unit - II

3. (a) Develop JDBC program ~~using~~ to perform insert, update, display, operation on a table student using
- (b) What is InetAddress class? Write a program to display the IP address of local host & and specified host machine.

Aliyay Pg 2

Q. 1.

Ans.

Answers.

1. (a) Swing application with two buttons which presents some message when pressed.

~~Java~~

```
import java.awt.* ;  
import javax.swing.* ;
```

Class App extends JFrame implements  
ActionListener.

{

JButton alpha;

JButton beta;

App ( ) {

makeGUI();

}

private void makeGUI() {

setLayout (new FlowLayout ());

JButton alpha = new JButton ("ALPHA");

JButton beta = new JButton ("BETA");

~~add (alpha);~~ // registers

alpha.addActionListener (this);

beta.addActionListener (this);

Shiray

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```
add (alpha);  
add (beta);
```

```
}  
// predefined abstract class.  
public void ActionPerformed (ActionEvent ae)  
{
```

```
switch (ae.getAction())
```

```
{
```

```
case "ALPHA" : JFrame.message  
Dialog
```

```
JFrame.messageDialog ("Alpha  
pressed");
```

```
break;
```

```
case "BETA" :
```

```
JFrame.messageDialog ("Beta pressed")
```

```
break;
```

```
default  
}
```

```
}
```

```
}
```

```
class Main {
```

```
public void static main (String args[]) {
```

```
App a = new App();
```

```
a.setVisible (true);
```

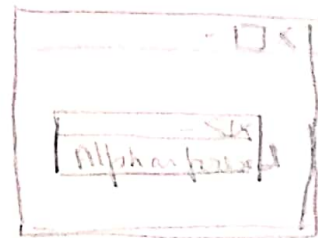
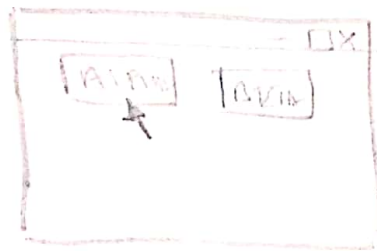
```
a.setSize (400, 600);
```

```
a. setTitle ("Button press App") ;
```

```
a. setDefaultCloseOperation (JFrame.  
EXIT_ON_CLOSE)  
;
```

```
}
```

```
}
```



(b) To read the contents from one file to another.

```
Import java.io.*;
```

```
class A {
```

```
public void static main (String args [])  
{
```

assuming  
already  
present  
has  
data.

```
File F1 = new File ("File1.txt");
```

```
File F2 = new File ("File2.txt");
```

```
FileWriter F2 F2 write = new  
FileWriter (F2);
```

```
Scanner F1read = new Scanner (F1);
```

```
while (F1read.hasNextLine())
```

```
{  
String str = F1read.nextLine();
```



F2 write (Str);

~~F2~~ }

F2 write . close();

F1 read . close();

System.out.println ("File 1 copied to File 2");

}

## Unit -2

3.

(a)

JDBC program. // insert, update, display

Let us assume student table.

Student → Table

Name	Rollno	Class	Tot. marks
String	int	int	int

import jdbc.\*;

class student {

public void ~~main~~ static main (String args[]) {

try {

{

~~try~~ Connection link = null;

Statement stmt = null;

ResultSet rs = null;

// Establishing connection to database.

try {

~~link = DriverManager~~

Class.forName ("com.mysql.jdbc.\*");

Shrey

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```
link = DriverManager.getConnection(
    "com.mysql.jdbc.Driver", student,
    student);
```

```
}
catch (SQLException e)
{
```

```
    System.out.println("Exception (connection
        is lost)");
}
```

```
stmt = stmt new Statement(link);
```

```
stmt
insert
```

```
String insertstmt = "INSERT INTO
    student VALUES(
```

```
'Sujay', 192, 10, 520)";
```

```
// insert a row
stmt.executeQuery(insertstmt);
```

```
rs = stmt.executeQuery("SELECT * FROM
    student");
```

```
// update a selected row
```

```
rs.absolute(1);
```

```
rs.updateString("Name", "Sujay Suryanathi");
```

```
rs.updateInt("Tot_marks", 500);
```

```
rs.updateInt("Class", 11);
```

```
// for delete a row (rs.absolute(x); rs.delete());
```

```
link.close();
```

```
rs.updateRow();
```

```
link link.close();
```

```
} }
```

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(b) Inet address class .

• This class which is related with networking and shows us information about IP and port address about the device.

• Program ~~to~~ which tells about device's IP address.

Srijay

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