Jahangirnagar University

Department/Institute: I I T

Masters/Honours _____ 3rd ____ 1st year Final Examination-2019 _____

Course No. # ICT- 1704
Course Title# Object Oriental / programming
Lab

Examination Roll No. # | 192330

Registration No. # | 20193650273

Academic Session # | 2018- 2019

Total no of written pages in the script #

Date: , 2021 15 July

Instructions:

1. Examinee must write his/her exam roll no. and page no. at the top of every page of the script.
2. Do not write your name or any identification mark anywhere of the script.
3. Total time for exam is 45 minutes. You will get 15 additional minutes for submission.
4. Delay in submission is not acceptable.
5. You have to submit your exam script in PDF format.
6. The examinee must submit the examination script **through online (Google classroom/email/google form etc.)** as prescribed by the examiner.
7. You must use **your EXAM ID** only for naming your submitted file.
8. After completing the exam, you must write the total number of pages used for the exam in the top sheet.

```cpp
#include<iostream>

using namespace std;


class employee
{
    string name, designation;
    int age, salary;
public:
    void getData()
    {
        cout<<"Detail of a employee:";
        cout<<"\n-----------------------\n";
        cout<<"Name: "<<name;
        cout<<"\nAge: "<<age;
        cout<<"\nDesignation: "<<designation;
        cout<<"\nSalary: "<<salary;
        cout<<"\n\n";
    }
    void putData()
    {
        cout<<"Enter detail of Employee:";
        cout<<"\n-----------------------\n";
        cout<<"Name: ";
        string nw;
        getline(cin,nw);
```

```cpp
        name=nw;
        cout<<"Age: ";
        cin>>age;
        cout<<"Designation: ";
        cin>>designation;
        cout<<"Salary: ";
        cin>>salary;
        cout<<"\n";
        cin.ignore();
    }
};
int main()
{
   cout<<"Number of employee to insert:";
   int n;
   cin>>n;
   employee arr[n];
   cin.ignore();
   for(int i=0; i<n; i++)
   {
       employee nw;
       nw.putData();
       arr[i]=nw;
   }
   for(int i=0; i<n; i++)
```

```
    {
        arr[i].getData();
    }
}
```


package finallab;

public class MyMenu extends javax.swing.JFrame {

  public MyMenu() {

    initComponents();

  }

  @SuppressWarnings("unchecked")

  // <editor-fold defaultstate="collapsed" desc="Generated Code">

  private void initComponents() {

```java
jMenuBar1 = new javax.swing.JMenuBar();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenu3 = new javax.swing.JMenu();



setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);


jMenu1.setText("File");


jMenuItem1.setText("login");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jMenuItem1ActionPerformed(evt);

    }

});

jMenu1.add(jMenuItem1);


jMenuItem2.setText("Exit");

jMenu1.add(jMenuItem2);
```

```java
    jMenuBar1.add(jMenu1);


    jMenu2.setText("Edit");

    jMenuBar1.add(jMenu2);


    jMenu3.setText("Help");

    jMenuBar1.add(jMenu3);


    setJMenuBar(jMenuBar1);


    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGap(0, 400, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGap(0, 269, Short.MAX_VALUE)

    );
```

```java
    pack();

  }// </editor-fold>


  private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {


    new Login1().setVisible(true);



  }


  public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
      for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
          javax.swing.UIManager.setLookAndFeel(info.getClassName());
```

```java
                break;

            }

        }

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(MyMenu.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(MyMenu.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(MyMenu.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(MyMenu.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);

    }

    //</editor-fold>


    /* Create and display the form */

    java.awt.EventQueue.invokeLater(new Runnable() {

        public void run() {
```
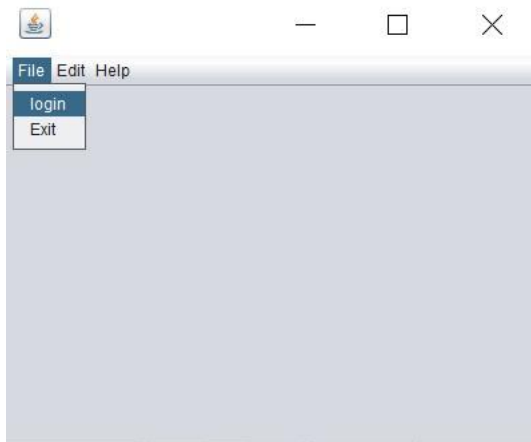
```java
            new MyMenu().setVisible(true);

        }

    });

}


    // Variables declaration - do not modify

    private javax.swing.JMenu jMenu1;

    private javax.swing.JMenu jMenu2;

    private javax.swing.JMenu jMenu3;

    private javax.swing.JMenuBar jMenuBar1;

    private javax.swing.JMenuItem jMenuItem1;

    private javax.swing.JMenuItem jMenuItem2;

    // End of variables declaration

}
```

Output

Login

```java
package finallab;

import javax.swing.JOptionPane;

public class Login1 extends javax.swing.JFrame {

    public Login1() {

        initComponents();

    }

    @SuppressWarnings("unchecked")

    // <editor-fold defaultstate="collapsed" desc="Generated Code">

    private void initComponents() {
```

```java
display = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txtid = new javax.swing.JTextField();

passwrd = new javax.swing.JPasswordField();

login = new javax.swing.JButton();

exit = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);


jLabel1.setText("ID");

jLabel2.setText("Password");

txtid.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        txtidActionPerformed(evt);

    }

});

passwrd.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        passwrdActionPerformed(evt);

    }
```

```java
    });

    login.setText("Login");

    login.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            loginActionPerformed(evt);

        }

    });

    exit.setText("Exit");

    exit.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            exitActionPerformed(evt);

        }

    });


    jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/finallab/1.jpg"))); // NOI18N

    jLabel3.setText("jLabel3");


    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(layout.createSequentialGroup()

            .addGap(62, 62, 62)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAI
LING)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING, false)

                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

                    .addComponent(login)

                    .addGap(33, 33, 33)

                    .addComponent(exit))

                .addGroup(layout.createSequentialGroup()


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)

                        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGap(40, 40, 40)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING, false)
```

```
                    .addComponent(txtid)

                    .addComponent(passwrd,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE))))

            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 197,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(145, Short.MAX_VALUE))
    );

    layout.setVerticalGroup(


layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup()

            .addContainerGap()

            .addComponent(jLabel3)

            .addGap(33, 33, 33)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)

            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(txtid, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)
```

```
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)

            .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(passwrd,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(34, 34, 34)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)

            .addComponent(login)

            .addComponent(exit))

        .addContainerGap(62, Short.MAX_VALUE))

    );


    pack();
  }// </editor-fold>


  private void txtidActionPerformed(java.awt.event.ActionEvent evt) {


  }
```

```java
private void loginActionPerformed(java.awt.event.ActionEvent evt) {

    String id, pas;

    id = txtid.getText();

    pas = passwrd.getText();


    if (id.equals("Shakil") && pas.equals("12345")) {


        JOptionPane.showMessageDialog(null, "Successfully");

        Login1 connect = new Login1();

        connect.setVisible(true);


    } else {


        JOptionPane.showMessageDialog(null, "Login Unsuccessfully");

    }

}

private void exitActionPerformed(java.awt.event.ActionEvent evt) {

    System.exit(0);

}

private void passwrdActionPerformed(java.awt.event.ActionEvent evt) {

}

public static void main(String args[]) {

    /* Set the Nimbus look and feel */
```

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

 * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

 */

try {

    for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

        if ("Nimbus".equals(info.getName())) {

            javax.swing.UIManager.setLookAndFeel(info.getClassName());

            break;

        }

    }

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

```java
java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    }
    //</editor-fold>


    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Login1().setVisible(true);
        }
    });
}

    // Variables declaration - do not modify
    private javax.swing.JTextField display;
    private javax.swing.JButton exit;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
```

```
private javax.swing.JButton login;

private javax.swing.JPasswordField passwrd;

private javax.swing.JTextField txtid;

// End of variables declaration
}
```

Output