



***INSTITUTE OF INFORMATION TECHNOLOGY***  
***JAHANGIRNAGAR UNIVERSITY***

**Lab Final**

**Submission Date** : 15/07/2021  
**Course Title** : Object Oriented Programming Lab  
**Course Code** : ICT - 1204

**Submitted To**

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## Answer to the question no 6

#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);  
____    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();  
    }  
}
```

## Output

```
"E:\Read\Academic\First Year Second Semester\ICT 1204 - Object Oriented Programming"
Number of employee to insert:2
Enter detail of Employee:
-----
Name: Biplop Hossain
Age: 25
Designation: Lecturer
Salary: 62000

Enter detail of Employee:
-----
Name: Jesmin Akhter
Age: 40
Designation: Professor
Salary: 100000

Detail of a employee:
-----
Name: Biplop Hossain
Age: 25
Designation: Lecturer
Salary: 62000

Detail of a employee:
-----
Name: Jesmin Akhter
Age: 40
Designation: Professor
Salary: 100000
```

---

## **Answer to the question no 11**

### **My Menu**

```
package finallab;

public class MyMenu extends javax.swing.JFrame {

    public MyMenu() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        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);

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)

        );

        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());

                break;

            }

        }

    } catch (ClassNotFoundException ex) {

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

    } catch (InstantiationException ex) {

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

```

---

```
    } catch (IllegalAccessException ex) {

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

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(MyMenu.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 MyMenu().setVisible(true);
    }
});

}

// Variables declaration - do not modify

private javax.swing.JMenu jMenuItem1;

private javax.swing.JMenu jMenuItem2;

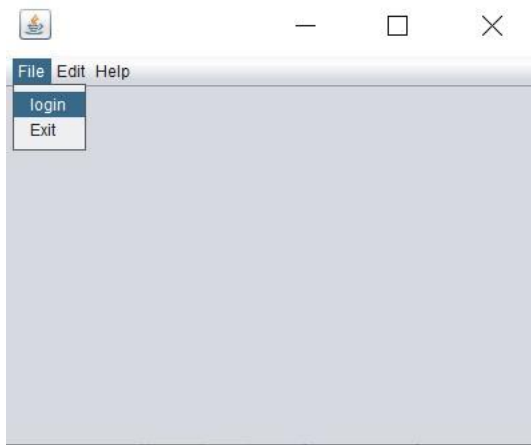
private javax.swing.JMenu jMenuItem3;

private javax.swing.JMenuBar jMenuItemBar1;
```

---

```
private javax.swing.JMenuItem jMenuItem1;  
private javax.swing.JMenuItem jMenuItem2;  
// End of variables declaration  
}
```

## **Output**



---

## **Login**

```
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() {

        display = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        txtid = new javax.swing.JTextField();
        passwrđ = 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);
    }
});
passwrld.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        passwrldActionPerformed(evt);
    }
});
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.TRAILING)  
            .addGroup(layout.createSequentialGroup()  
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                    .addGroup(layout.createSequentialGroup()  
                        .addComponent(login)  
                        .addGap(33, 33, 33)
```

---

```
.addComponent(exit))

.addGroup(layout.createSequentialGroup()

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

.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.LEADING, false)

.addComponent(txtid)

.addComponent(passwr,
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(pwd, 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) {

}

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

    String id, pas;

    id = txtid.getText();

    pas = passwrд.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 passwdActionPerformed(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.L
evel.SEVERE, null, ex);

    } catch (InstantiationException ex) {

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

    } catch (IllegalAccessException ex) {

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

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.L
evel.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 passwr;
private javax.swing.JTextField txtid;
// End of variables declaration
}
```

## Output



— □ ×



ID

Password

Login Exit