

# FenetrePrincipale.java

```
package exo31_1_INFOSYSTEM;
import java.net.*;import javax.swing.*;
import java.awt.*;
/**
 * <p>Titre : </p>
 * @author Afpa
 * @version 1.0
 */
public class FenetrePrincipale extends JFrame {
    private static final long serialVersionUID = 1L;
    //Référence du tableau d'objets (composants JTextField)
    private JTextField[] txtInfos;

    public FenetrePrincipale() {
        super("Propriétés système");
        setResizable(false);
        this.setSize(450, 198);
        this.setDefaultCloseOperation(EXIT_ON_CLOSE);

        // Centrer la fenêtre
        Dimension screenSize =
Toolkit.getDefaultToolkit().getScreenSize();
        Dimension frameSize = this.getSize();
        if (frameSize.height > screenSize.height)
            frameSize.height = screenSize.height;
        if (frameSize.width > screenSize.width)
            frameSize.width = screenSize.width;
        this.setLocation((screenSize.width - frameSize.width) / 2,
            (screenSize.height - frameSize.height) / 2);

        initControles();
        setInfos();
    }

    private void initControles() {
        JPanel zoneClient = (JPanel) this.getContentPane();
        zoneClient.setLayout(null);

        String[] labels = { "Nom de la machine", "Adresse IP",
"Utilisateur",
            "Nom de l'OS", "Machine Virtuelle" };

        //Dimensionnement du tableau d'objets JTextField
        txtInfos = new JTextField[labels.length];
    }
}
```

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```
//Image à gauche
JLabel lblIcône = new JLabel(new ImageIcon("javalogo.gif"),
                               SwingConstants.LEFT);
lblIcône.setBounds(5, 10, 80, 100);
zoneClient.add(lblIcône);

for (int i = 0; i < labels.length; i++) {
    //instanciation des objets JLabel
    JLabel lblNom = new JLabel(labels[i]);
    lblNom.setBounds(80, 10 + 25 * i, 130, 20);
    zoneClient.add(lblNom);

    //instanciation des objets JTextField
    txtInfos[i] = new JTextField();
    txtInfos[i].setEditable(false);
    txtInfos[i].setBounds(205, 10 + 25 * i, 200, 20);
    zoneClient.add(txtInfos[i]);
}
}

private void setInfos() {
    try {
        InetAddress adr = InetAddress.getLocalHost();
        txtInfos[0].setText(adr.getHostName());
        txtInfos[1].setText(adr.getHostAddress());
    } catch (UnknownHostException e) {
        e.printStackTrace();
    }
    txtInfos[2].setText(System.getProperty("user.name"));
    txtInfos[3].setText(System.getProperty("os.name"));
    txtInfos[4].setText(System.getProperty("java.vm.vendor")
                        + System.getProperty("java.vm.version"));
}}
```