```java
//Exercice pris du livre de R. Chevallier, Java 5
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
class Poly{
protected double[] coef;
protected int degre;
protected double x, res;
public Poly() {coef=new double[10];}

public  void eval()
{res=0;
for (int i=0; i<10;i++)
res= res+coef[i]*Math.pow(x,i);}
}

class Fenetre extends JFrame implements ActionListener{
private JTextField[] casecoef;
private JTextField casedeg, casex, caseres;
private JButton calcul;
private Poly p;

public Fenetre(Poly pp)
{setTitle("POLYNOME");
//setSize(300,140);
Container cf= this.getContentPane();

JPanel p1=new JPanel();
p1.add(new JLabel("COEFFICIENTS"));
casecoef= new JTextField[10];
for (int i=0; i<10;i++)
{casecoef[i]=new JTextField(3);
p1.add(casecoef[i]);}
cf.add("North",p1);

JPanel p2=new JPanel();
p2.add(new JLabel("DEGRE: "));
 casedeg=new JTextField(3);
p2.add(casedeg);
p2.add(new JLabel("Valeur de x: "));
 casex=new JTextField(3);
p2.add(casex);
cf.add("Center",p2);

JPanel p3=new JPanel();
calcul=new JButton("CALCUL");
calcul.addActionListener(this);
p3.add(calcul);
p3.add(new JLabel("Resultat :"));
caseres=new JTextField(8);
p3.add(caseres);
cf.add("South",p3);
```

```java
    p=pp;
    }

    public void actionPerformed (ActionEvent e){
    p.degre=Integer.parseInt(casedeg.getText());
    p.x=Double.parseDouble(casex.getText());
    for (int i=0; i<=p.degre; i++)
    p.coef[i]=Double.parseDouble(casecoef[i].getText());
    p.eval();
    caseres.setText(Double.toString(p.res));
    }

    }//fin de fenetre

    public class Exercice3
    { public static void main (String[] args)
        {Poly p1=new Poly();
        Fenetre f1=new Fenetre(p1);
        f1.pack();
        f1.setVisible(true);}
    }
```