

//CALCULO DE INDICE DE MASA CORPORAL

```
import java.awt.EventQueue;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
import javax.swing.JTextField;
import javax.swing.border.EmptyBorder;

public class IndiceMasaCorporal extends JFrame {

    private JPanel contentPane;
    private JTextField txtPeso;
    private JTextField txtEstatura;
    private JTextField txtIMC;
    private JTextField txtIMCdescripcion;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    IndiceMasaCorporal frame = new IndiceMasaCorporal();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
     * Create the frame.
     */
    public IndiceMasaCorporal() {
        setTitle("C\u00E1lculo de Índice de Masa Corporal");
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setBounds(100, 100, 450, 300);
        contentPane = new JPanel();
        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
        setContentPane(contentPane);
        contentPane.setLayout(null);

        JLabel lblPesokg = new JLabel("Peso (kg):");
        lblPesokg.setBounds(26, 39, 82, 14);
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contentPane.add(lblPesokg);

JLabel lblEstaturacm = new JLabel("Estatura (cm):");
lblEstaturacm.setBounds(26, 74, 82, 14);
contentPane.add(lblEstaturacm);

txtPeso = new JTextField();
txtPeso.setBounds(118, 39, 86, 20);
contentPane.add(txtPeso);
txtPeso.setColumns(10);

txtEstatura = new JTextField();
txtEstatura.setBounds(118, 74, 86, 20);
contentPane.add(txtEstatura);
txtEstatura.setColumns(10);

txtIMC = new JTextField();
txtIMC.setBounds(118, 116, 160, 20);
contentPane.add(txtIMC);
txtIMC.setColumns(10);

txtIMCdescripcion = new JTextField();
txtIMCdescripcion.setBounds(118, 145, 166, 20);
contentPane.add(txtIMCdescripcion);
txtIMCdescripcion.setColumns(10);

JLabel lblImc = new JLabel("I.M.C.:");
lblImc.setBounds(26, 119, 46, 14);
contentPane.add(lblImc);

JButton btnCalcular = new JButton("Calcular");
btnCalcular.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {
        int peso, estatura ;
        double imc, estaturaEnmetros ;
        String texto ;
        peso=Integer.parseInt(txtPeso.getText()) ;
        estatura=Integer.parseInt(txtEstatura.getText()) ;

        estaturaEnmetros=(double)estatura/100;

        imc=peso/(estaturaEnmetros*estaturaEnmetros);

        txtIMC.setText( String.valueOf(imc));

        texto="" ;
        if (imc<18.5) {
            texto="Peso inferior al normal";
        } else {
            if (imc>=18.5 && imc <= 24.9) {
                texto="Peso normal";
            }
        }
    }
});

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        } else {
            if (imc >= 25.0 && imc <= 29.9) {
                texto = "Peso superior al normal";
            } else {
                texto = "Obesidad";
            }
        }
    }
    txtIMCdescripcion.setText(texto);
}
});
btnCalcular.setBounds(302, 35, 122, 41);
contentPane.add(btnCalcular);

JButton btnNuevoClculo = new JButton("Nuevo c\u00E1lculo");
btnNuevoClculo.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        txtPeso.setText("");
        txtEstatura.setText("");
        txtIMC.setText("");
        txtIMCdescripcion.setText("");

        txtPeso.requestFocus();
    }
});
btnNuevoClculo.setBounds(302, 106, 121, 35);
contentPane.add(btnNuevoClculo);

JButton btnSalir = new JButton("Salir");
btnSalir.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        System.exit(0);
    }
});
btnSalir.setBounds(302, 188, 122, 41);
contentPane.add(btnSalir);
}
}
}

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// CALCULO DE CUIL

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import java.awt.EventQueue;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

import javax.swing.ButtonGroup;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.JPanel;
import javax.swing.JRadioButton;
import javax.swing.JTextField;
import javax.swing.border.EmptyBorder;

public class Cuil extends JFrame {

    private JPanel contentPane;
    private final ButtonGroup buttonGroup = new ButtonGroup();
    private JTextField txtDNI;
    private JTextField txtCUIL;
    private JRadioButton rdbtnMasculino;
    private JRadioButton rdbtnFemenino;
    private JRadioButton rdbtnSociedad;

    private String tipoCuil ;
    private String cuil ;
    private String digitoVerificador ;
    private JButton btnCerrar;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    Cuil frame = new Cuil();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
     * Create the frame.
     */
    public Cuil() {
```

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setTitle("C\u00E1culo de CUIL/CUIT");
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setBounds(100, 100, 399, 252);
contentPane = new JPanel();
contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
setContentPane(contentPane);
contentPane.setLayout(null);

JLabel lblDni = new JLabel("DNI:");
lblDni.setBounds(157, 27, 46, 14);
contentPane.add(lblDni);

rdbtnMasculino = new JRadioButton("Masculino");
rdbtnMasculino.setSelected(true);
buttonGroup.add(rdbtnMasculino);
rdbtnMasculino.setBounds(16, 24, 109, 23);
contentPane.add(rdbtnMasculino);

rdbtnFemenino = new JRadioButton("Femenino");
buttonGroup.add(rdbtnFemenino);
rdbtnFemenino.setBounds(16, 54, 109, 23);
contentPane.add(rdbtnFemenino);

rdbtnSociedad = new JRadioButton("Sociedades");
buttonGroup.add(rdbtnSociedad);
rdbtnSociedad.setBounds(16, 80, 109, 23);
contentPane.add(rdbtnSociedad);

JButton btnNewButton = new JButton("Calcular");
btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {

        String dni = txtDNI.getText() ;
        int lenDni = dni.length() ;

        if (lenDni != 8) {
            JOptionPane.showMessageDialog(null,
                "EL DNI NO TIENE LOS DIGITOS CORRECTOS!", "Error",
                JOptionPane.INFORMATION_MESSAGE);
            return ;
        }

        if ( rdbtnMasculino.isSelected() ) tipoCuil="20" ;
        if ( rdbtnFemenino.isSelected() ) tipoCuil="27" ;
        if ( rdbtnSociedad.isSelected() ) tipoCuil="30" ;

        int v[] = { 5, 4, 3, 2, 7, 6, 5, 4, 3, 2 } ;

        int suma = 0, producto, digitoDni ;

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String caracterDni ;

cuil = tipoCuil + dni ;

for (int pos=0 ; pos < cuil.length() ; pos++) {

    caracterDni = cuil.substring(pos, pos+1) ;

    digitoDni = Integer.parseInt(caracterDni);

    producto = digitoDni * v[pos] ;
    suma += producto;
}

int resto = suma%11 ;

if ( resto==0 ) {
    digitoVerificador = "0" ;
} else {
    if ( resto==1 ) {
        if ( tipoCuil.equals( "20" ) ) {
            digitoVerificador = "9" ;
            tipoCuil="23" ;
        } else {
            if ( tipoCuil.equals( "27" ) ) {
                digitoVerificador = "4" ;
                tipoCuil="23" ;
            }
        }
    } else {

        digitoVerificador = Integer.toString(11-resto) ;
    }
}

cuil = tipoCuil + dni + digitoVerificador;

txtCUIL.setText(cuil) ;

}

});
btnNewButton.setBounds(240, 99, 132, 44);
contentPane.add(btnNewButton);

txtDNI = new JTextField();
txtDNI.setBounds(240, 24, 109, 20);

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contentPane.add(txtDNI);
txtDNI.setColumns(10);

JLabel lblCuitcuil = new JLabel("CUIT/CUIL:");
lblCuitcuil.setBounds(157, 71, 97, 14);
contentPane.add(lblCuitcuil);

txtCUIL = new JTextField();
txtCUIL.setBounds(240, 68, 109, 20);
contentPane.add(txtCUIL);
txtCUIL.setColumns(10);

btnCerrar = new JButton("Salir");
btnCerrar.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {
        System.exit(0);
    }
});
btnCerrar.setBounds(240, 147, 132, 44);
contentPane.add(btnCerrar);
}
}
```