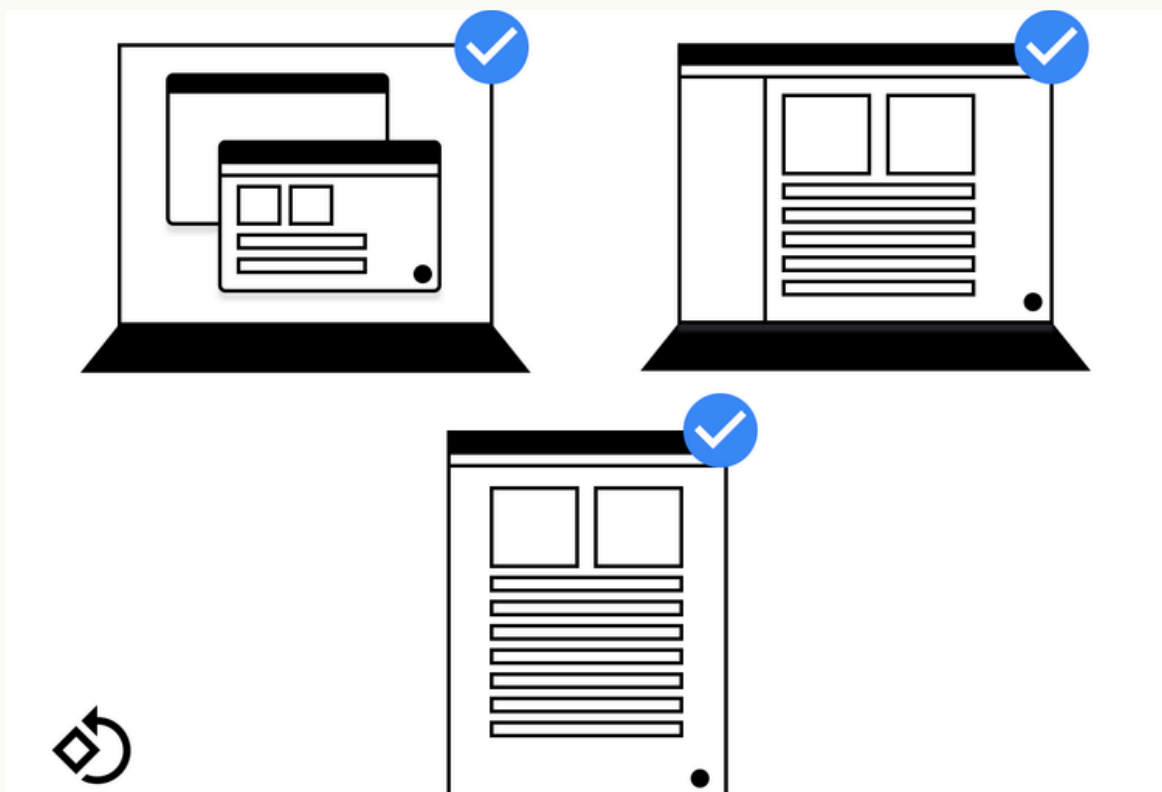


Comunicación entre ventanas y aplicaciones externas - Android studio



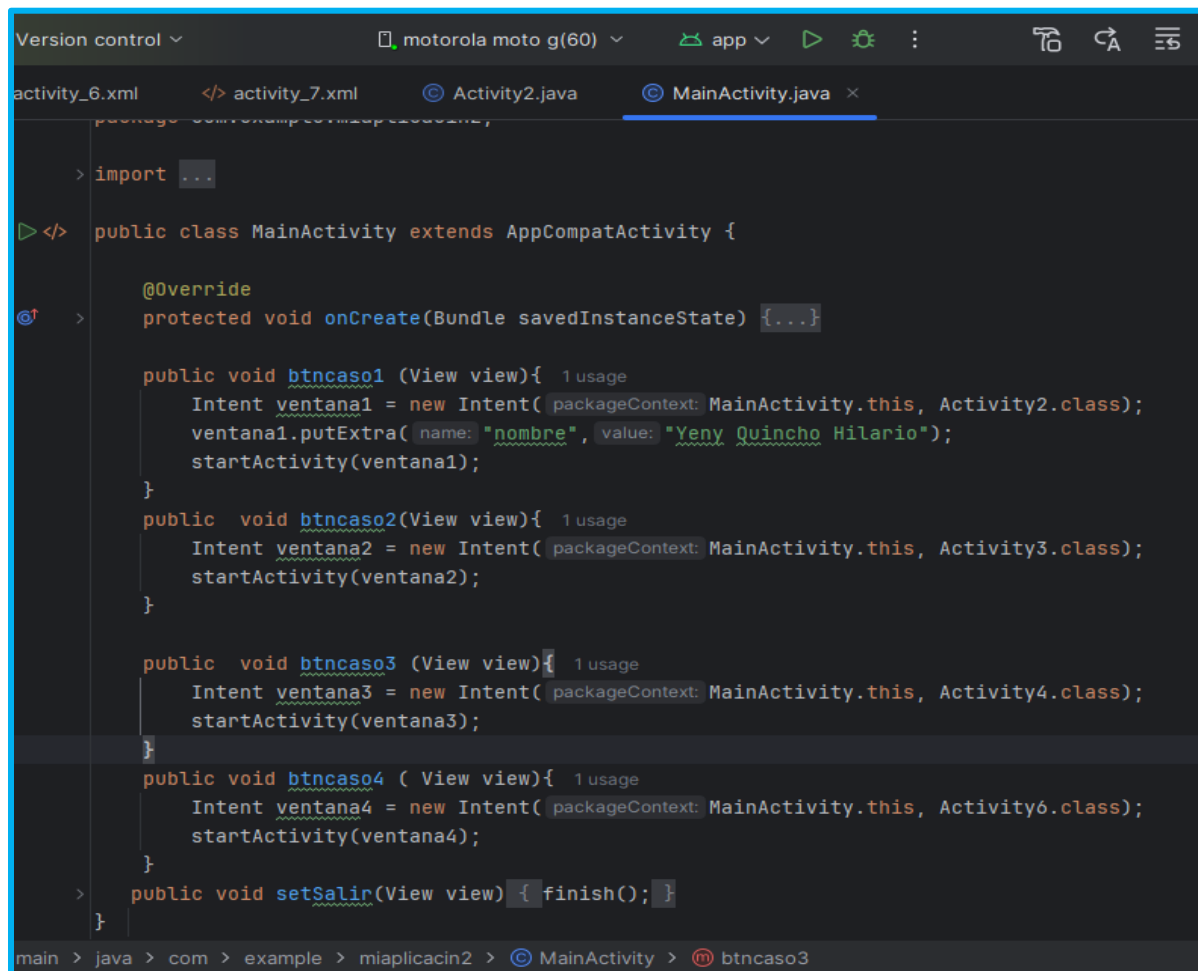
Nombre: Yeny Quincho Hilario

Curso: Aplicaciones moviles

Semestre: VI

Docente: Cristian Saravia Pino

Activity_main.xml



Activity2.java

```
Version control v Pixel 8 API 35 v app v D G :
activity_4.xml © Activity4.java </> activity_5.xml © Activity5.java © Activity2.java x
package com.example.miaplicacin2;

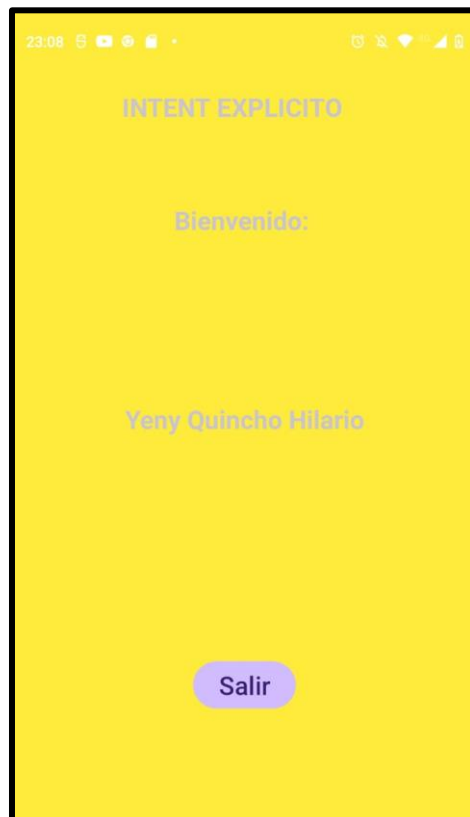
> import ...

public class Activity2 extends AppCompatActivity {
    TextView txtbienvenido; 2 usages

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable( $this$enableEdgeToEdge: this);
        setContentView(R.layout.activity_2);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
        txtbienvenido =(TextView) findViewById(R.id.txtbienvenido);
        Intent i = getIntent();
        txtbienvenido.setText(i.getStringExtra( name: "nombre"));
    }

    public void btnsalir (View view) { finish(); }
}
```

Activity_2_xml



Activity3.java

```
public class Activity3 extends AppCompatActivity {

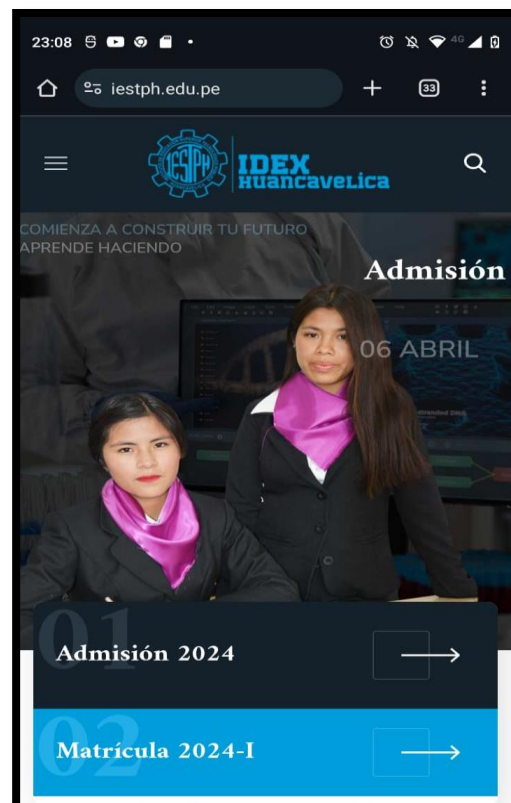
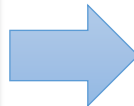
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_3);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
    }

    public void btnweb(View view){ 1 usage
        Intent web = new Intent(Intent.ACTION_VIEW);
        web.setData(Uri.parse(uriString: "https://iestph.edu.pe/"));
        startActivity(web);
    }

    public void btnllamar(View view){ 1 usage
        Intent llamar = new Intent(Intent.ACTION_DIAL);
        llamar.setData(Uri.parse(uriString: "tel: +51968381549"));
        startActivity(llamar);
    }

    public void btnsalir3(View view){ finish(); }
}
```

activity_3_xml



```

package com.example.miaplicacin2;

import ...

public class Activity4 extends AppCompatActivity {

    EditText txtnombre,txtedad,txtsexo,txtsaldo; 2 usages
    Button btncalcular; 1 usage
    RadioGroup rbtopciones; 2 usages

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_4);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });

        txtnombre = (EditText) findViewById(R.id.txtnombre);
        txtedad = (EditText) findViewById(R.id.txtedad);
        txtsexo = (EditText) findViewById(R.id.txtsexo);
        txtsaldo = (EditText) findViewById(R.id.txtsaldo);
        rbtopciones=findViewById(R.id.rbtopciones);
        btncalcular = (Button) findViewById(R.id.btncalcular);
    }

    public void setBtncalcular (View view){ 1 usage
        String nombre = txtnombre.getText().toString();
        int edad = Integer.parseInt(txtedad.getText().toString());
        String sexo = txtsexo.getText().toString();
        double saldo = Double.parseDouble(txtsaldo.getText().toString());
        //boolean bono = rbtpbono.isChecked();
        //aca determinamos si se selecciono bono o descuento
        int opcionSelec = rbtopciones.getCheckedRadioButtonId();
        boolean bono = opcionSelec==R.id.rbtpbono;

        // ahora crearemos INTENT para pasar los datos a la segunda actividad:
        Intent ventanaCalcular = new Intent( packageContext: Activity4.this, Activity5.class);
        ventanaCalcular.putExtra( name: "nombre", nombre);
        ventanaCalcular.putExtra( name: "edad", edad);
        ventanaCalcular.putExtra( name: "sexo", sexo);
        ventanaCalcular.putExtra( name: "saldo", saldo);
        ventanaCalcular.putExtra( name: "bono", bono);

        startActivity(ventanaCalcular);
    }
}

```

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EJERCICIO 1

Nombre: YENY QUINCHO HILARIO

Edad: 30

Sexo: FEMENINO

Saldo Actual: 1000

☒ Bono

☐ Descuento

Calcular

Activity5.java

```
Version control ▾ | motorola moto g(60) ▾ | app ▾ | ▶ | ⚙ | : | 🔍 | ↶ | ↷ | ≡ | ⚙ | ⚙ |
_7.xml | © Activity2.java | © MainActivity.java | © Activity3.java | © Activity4.java | © Activity5.java x ▾

package com.example.miaplicacin2;

> import ...

▶ </> public class Activity5 extends AppCompatActivity {
    TextView lblvista; 2 usages
    @Override
    Ⓢ protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable($this$enableEdgeToEdge: this);
        setContentView(R.layout.activity_5);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
        lblvista = (TextView) findViewById(R.id.lblvista);
        // ahora escribimos el código para recibir los datos del intent

        // Intent i = getIntent();
        // lblvista.setText(i.getStringExtra("nombre"));

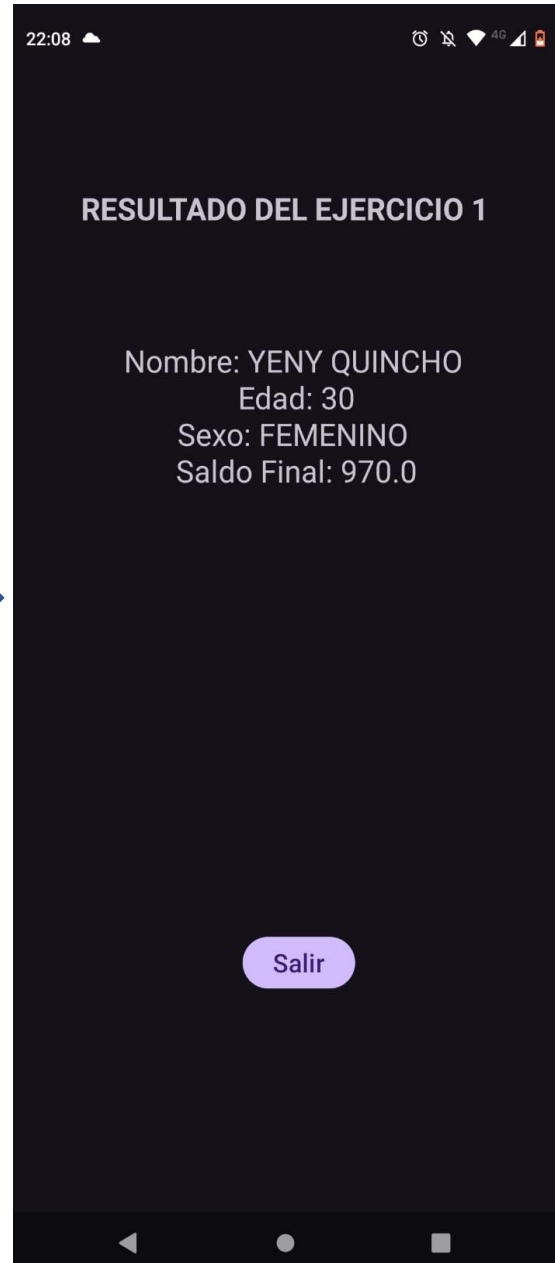
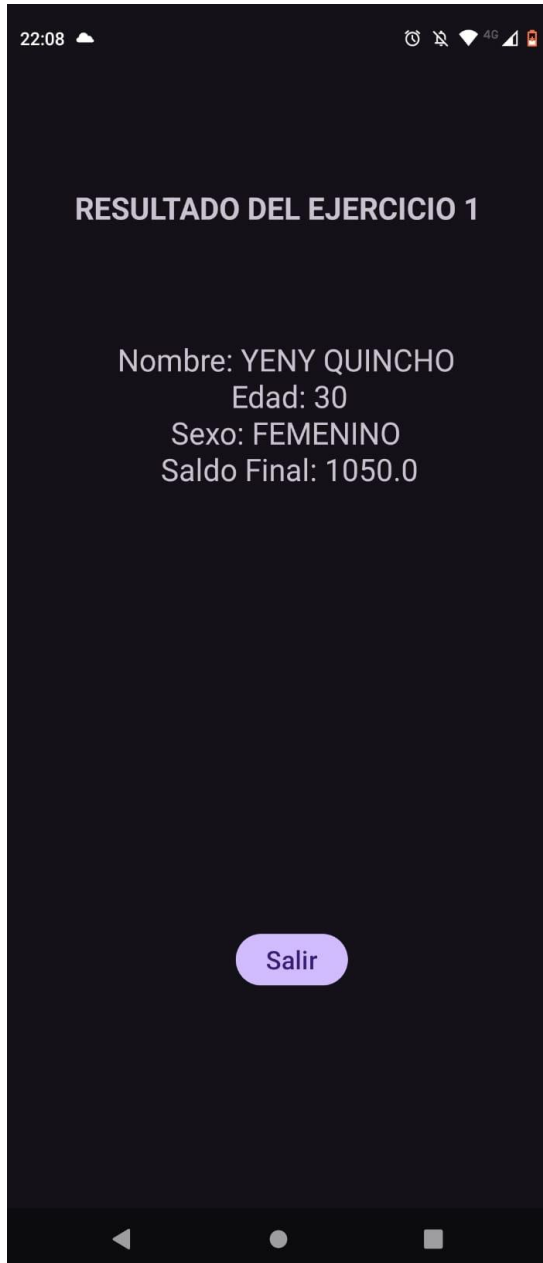
        String nombre = getIntent().getStringExtra(name: "nombre");
        int edad = getIntent().getIntExtra(name: "edad", defaultValue: 0);
        String sexo = getIntent().getStringExtra(name: "sexo");
        double saldo = getIntent().getDoubleExtra(name: "saldo", defaultValue: 0);
        boolean bono = getIntent().getBooleanExtra(name: "bono", defaultValue: false);
```

```
        // calculamos el saldo actual
        //double saldoFinal = bono ? saldo * 1.05 : saldo * 0.97; este es un operador ternario
        double saldoFinal;
        if (bono){
            saldoFinal = saldo * 1.05;
        }
        else{
            saldoFinal = saldo * 0.97;
        }
        // ahora mostraremos todos los datos del

        String datos = "Nombre: " + nombre + "\n" + "Edad: " + edad + "\n" +
            "Sexo: " + sexo + "\n" + "Saldo Final: " + saldoFinal ;

        lblvista.setText(datos);
    }

    public void btnsalir5(View view){ 1 usage
        finish();
    }
}
```



Activity6.java

```
package com.example.miaplicacin2;

import ...



public class Activity6 extends AppCompatActivity {
    EditText txtnombreprod, txtprecio, txtdescuento; 2 usages
    Button btncalcular6, btnsalir6; 1 usage
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_6);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
        txtnombreprod = findViewById(R.id.txtnombreprod);
        txtdescuento = findViewById(R.id.txtdescuento);
        txtprecio = findViewById(R.id.txtprecio);
        btncalcular6 = findViewById(R.id.btncalcular6);
        btnsalir6 = findViewById(R.id.btnsalir6);
    }
}
```

```
public void setBtnsalir6 (View view){ 1 usage
    // primero obtenemos los datos ingresados por los docentes
    String nombreprod = txtnombreprod.getText().toString();
    double precio = Double.parseDouble(txtprecio.getText().toString());
    int descuento = Integer.parseInt(txtdescuento.getText().toString());
    double precioFinal = precio * (1-(descuento/100.0));

    //Ahora enviaremos los datos a la segunda actividad

    Intent ventanaEjercicio2 = new Intent(packageContext, Activity7.class);
    ventanaEjercicio2.putExtra(name: "nombreprod", nombreprod);
    ventanaEjercicio2.putExtra(name: "precio", precio);
    ventanaEjercicio2.putExtra(name: "descuento", descuento);
    ventanaEjercicio2.putExtra(name: "precioFinal", precioFinal);

    startActivity(ventanaEjercicio2);
}
}
```

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EJERCICIO 2

Nombre del producto:

Precio:

Porcentaje de descuento:

activity7.java

```

package com.example.miaplicacin2;

import ...

public class Activity7 extends AppCompatActivity {
    TextView lblresultado; 2 usages

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_7);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
        lblresultado = findViewById(R.id.lblresultado); // Vincula el textView
        //aca recibimos los datos enviados del anterior actividad
        String nombreprod = getIntent().getStringExtra(name: "nombreprod");
        double precio = getIntent().getDoubleExtra(name: "precio", defaultValue: 0);
        int descuento = getIntent().getIntExtra(name: "descuento", defaultValue: 0);
        double precioFinal = getIntent().getDoubleExtra(name: "precioFinal", defaultValue: 0);
    }
}

```

```
//finalmente mostraremos los resultados
String resultados = "Producto: " + nombreprod + "\n" + "Precio: " + precio + "\n" +
    "Descuento: " + descuento + "%"\n" + "Precio Final: " + precioFinal;

lblresultado.setText(resultados);

}

public void setBtnsalir7 (View view){ 1 usage
    Intent ventanaf= new Intent( packageContext: Activity7.this, MainActivity.class);
    startActivity(ventanaf);
}

}
```

