**TALLER\_20\_RECYCLERVIEW**

**activity\_main.xml**

***<?*xml version="1.0" encoding="utf-8"*?>***

**<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:app="http://schemas.android.com/apk/res-auto"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**tools:context=".MainActivity">**

**<androidx.recyclerview.widget.RecyclerView**

**android:id="@+id/recyclerView"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent" />**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**activity\_second.xml**

***<?*xml version="1.0" encoding="utf-8"*?>***

**<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:app="http://schemas.android.com/apk/res-auto"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**tools:context=".SecondActivity">**

**<ImageView**

**android:id="@+id/imageView2"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="93dp"**

**android:layout\_marginLeft="93dp"**

**android:layout\_marginTop="107dp"**

**android:layout\_marginEnd="93dp"**

**android:layout\_marginRight="93dp"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:srcCompat="@drawable/c\_plus\_plus" />**

**<TextView**

**android:id="@+id/tv2"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="160dp"**

**android:layout\_marginLeft="160dp"**

**android:layout\_marginTop="70dp"**

**android:layout\_marginEnd="160dp"**

**android:layout\_marginRight="160dp"**

**android:text="Titulo"**

**android:textSize="30sp"**

**android:textStyle="bold|italic"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toBottomOf="@id/imageView2"/>**

**<TextView**

**android:id="@+id/tv3"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="160dp"**

**android:layout\_marginLeft="160dp"**

**android:layout\_marginTop="50dp"**

**android:layout\_marginEnd="160dp"**

**android:layout\_marginRight="160dp"**

**android:text="Descripción"**

**android:textSize="24sp"**

**android:textStyle="bold|italic"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toBottomOf="@id/tv2"/>**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**recyler\_fila.xml**

***<?*xml version="1.0" encoding="utf-8"*?>***

**<androidx.constraintlayout.widget.ConstraintLayout**

**xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:app="http://schemas.android.com/apk/res-auto"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:layout\_margin="16dp"**

**android:orientation="vertical"**

**android:id="@+id/mainLayout">**

**<androidx.cardview.widget.CardView**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent">**

**<androidx.constraintlayout.widget.ConstraintLayout**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent">**

**<ImageView**

**android:id="@+id/imageView"**

**android:layout\_width="70dp"**

**android:layout\_height="70dp"**

**android:layout\_marginStart="10dp"**

**android:layout\_marginLeft="10dp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:srcCompat="@mipmap/ic\_launcher" />**

**<TextView**

**android:id="@+id/tv"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="20dp"**

**android:layout\_marginLeft="20dp"**

**android:layout\_marginTop="10dp"**

**android:text="Titulo"**

**android:textSize="30sp"**

**android:textStyle="bold|italic"**

**app:layout\_constraintStart\_toEndOf="@+id/imageView"**

**app:layout\_constraintTop\_toTopOf="parent" />**

**<TextView**

**android:id="@+id/tv1"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="20dp"**

**android:layout\_marginLeft="20dp"**

**android:layout\_marginTop="10dp"**

**android:layout\_marginBottom="10dp"**

**android:text="Descripción"**

**android:textSize="24sp"**

**android:textStyle="bold|italic"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintStart\_toEndOf="@+id/imageView"**

**app:layout\_constraintTop\_toBottomOf="@+id/tv" />**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**</androidx.cardview.widget.CardView>**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**AndroidManifest.xml**

***<?*xml version="1.0" encoding="utf-8"*?>***

**<manifest xmlns:android="http://schemas.android.com/apk/res/android"**

**package="com.example.taller\_20\_recyclerview">**

**<application**

**android:allowBackup="true"**

**android:icon="@mipmap/ic\_launcher"**

**android:label="@string/app\_name"**

**android:roundIcon="@mipmap/ic\_launcher\_round"**

**android:supportsRtl="true"**

**android:theme="@style/Theme.TALLER\_20\_RECYCLERVIEW">**

**<activity android:name=".SecondActivity"**

**android:parentActivityName=".MainActivity"**

**android:label="Details">**

**</activity>**

**<activity android:name=".MainActivity">**

**<intent-filter>**

**<action android:name="android.intent.action.MAIN" />**

**<category android:name="android.intent.category.LAUNCHER" />**

**</intent-filter>**

**</activity>**

**</application>**

**</manifest>**

**MainActivity.java**

**package com.example.taller\_20\_recyclerview;**

**import android.os.Bundle;**

**import androidx.appcompat.app.AppCompatActivity;**

**import androidx.recyclerview.widget.LinearLayoutManager;**

**import androidx.recyclerview.widget.RecyclerView;**

**import com.example.taller\_20\_recyclerview.MyAdapter;**

**import com.example.taller\_20\_recyclerview.R;**

**public class MainActivity extends AppCompatActivity {**

**RecyclerView recyclerView;**

**String s1[], s2[];**

**int images[] = {R.drawable.*c\_plus\_plus*, R.drawable.*c\_sharp*, R.drawable.*java*, R.drawable.*javascript*,**

**R.drawable.*php*, R.drawable.*python*, R.drawable.*ruby*, R.drawable.*sql*, R.drawable.*swift*,**

**R.drawable.*vb*};**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.*activity\_main*);**

**recyclerView = findViewById(R.id.*recyclerView*);**

**s1 = getResources().getStringArray(R.array.*Lenguaje\_de\_Programación*);**

**s2 = getResources().getStringArray(R.array.*Descripción*);**

**MyAdapter myAdapter = new MyAdapter(this, s1, s2, images);**

**recyclerView.setAdapter(myAdapter);**

**recyclerView.setLayoutManager(new LinearLayoutManager(this));**

**}**

**}**

**MyAdapter.java**

**package com.example.taller\_20\_recyclerview;**

**import android.content.Context;**

**import android.content.Intent;**

**import android.view.LayoutInflater;**

**import android.view.View;**

**import android.view.ViewGroup;**

**import android.widget.ImageView;**

**import android.widget.TextView;**

**import androidx.annotation.NonNull;**

**import androidx.constraintlayout.widget.ConstraintLayout;**

**import androidx.recyclerview.widget.RecyclerView;**

**public class MyAdapter extends RecyclerView.Adapter<MyAdapter.MyViewHolder> {**

**String data1[], data2[];**

**int images[];**

**Context context;**

**public MyAdapter(Context ct, String s1[], String s2[], int img[]) {**

**context = ct;**

**data1 = s1;**

**data2 = s2;**

**images = img;**

**}**

**@NonNull**

**@Override**

**public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {**

**LayoutInflater inflater = LayoutInflater.*from*(context);**

**View view = inflater.inflate(R.layout.*recycler\_fila*, parent, false);**

**return new MyViewHolder(view);**

**}**

**@Override**

**public void onBindViewHolder(@NonNull MyViewHolder holder, final int position) {**

**holder.tv.setText(data1[position]);**

**holder.tv1.setText(data2[position]);**

**holder.imageView.setImageResource(images[position]);**

**holder.mainLayout.setOnClickListener(new View.OnClickListener() {**

**public void onClick(View view) {**

**Intent intent = new Intent(context, SecondActivity.class);**

**intent.putExtra("data1", data1[position]);**

**intent.putExtra("data2", data2[position]);**

**intent.putExtra("images", images[position]);**

**context.startActivity(intent);**

**}**

**});**

**}**

**@Override**

**public int getItemCount() {**

**return images.length;**

**}**

**public class MyViewHolder extends RecyclerView.ViewHolder {**

**TextView tv, tv1;**

**ImageView imageView;**

**ConstraintLayout mainLayout;**

**public MyViewHolder(@NonNull View itemView) {**

**super(itemView);**

**tv = itemView.findViewById(R.id.*tv*);**

**tv1 = itemView.findViewById(R.id.*tv1*);**

**imageView = itemView.findViewById(R.id.*imageView*);**

**mainLayout = itemView.findViewById(R.id.*mainLayout*);**

**}**

**}**

**}**

**SecondActivity.java**

**package com.example.taller\_20\_recyclerview;**

**import android.os.Bundle;**

**import android.widget.ImageView;**

**import android.widget.TextView;**

**import android.widget.Toast;**

**import androidx.appcompat.app.AppCompatActivity;**

**public class SecondActivity extends AppCompatActivity {**

**ImageView imageView2;**

**TextView tv2, tv3;**

**String data1, data2;**

**int images;**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.*activity\_second*);**

**imageView2 = findViewById(R.id.*imageView2*);**

**tv2 = findViewById(R.id.*tv2*);**

**tv3 = findViewById(R.id.*tv3*);**

**getData();**

**setData();**

**}**

**private void getData() {**

**if(getIntent().hasExtra("images") && getIntent().hasExtra("data1") && getIntent().hasExtra("data2")) {**

**data1 = getIntent().getStringExtra("data1");**

**data2 = getIntent().getStringExtra("data2");**

**images = getIntent().getIntExtra("images", 1);**

**}**

**else {**

**Toast.*makeText*(this, "No hay datos", Toast.*LENGTH\_SHORT*).show();**

**}**

**}**

**private void setData() {**

**tv2.setText(data1);**

**tv3.setText(data2);**

**imageView2.setImageResource(images);**

**}**

**}**

**strings.xml**

**<resources>**

**<string name="app\_name">TALLER\_20\_RECYCLERVIEW</string>**

**<string-array name="Lenguaje\_de\_Programación">**

**<item>C++</item>**

**<item>C#</item>**

**<item>Java</item>**

**<item>JavaScript</item>**

**<item>Php</item>**

**<item>Python</item>**

**<item>Ruby</item>**

**<item>Sql</item>**

**<item>Swift</item>**

**<item>VB</item>**

**</string-array>**

**<string-array name="Descripción">**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**<item>Descripción</item>**

**</string-array>**

**</resources>**

**colors.xml**

***<?*xml version="1.0" encoding="utf-8"*?>***

**<resources>**

**<color name="purple\_200">#FFBB86FC</color>**

**<color name="purple\_500">#FF6200EE</color>**

**<color name="purple\_700">#FF3700B3</color>**

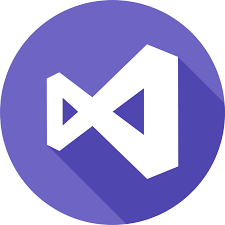
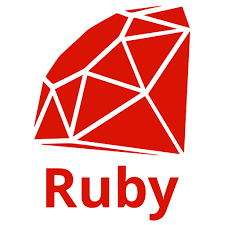
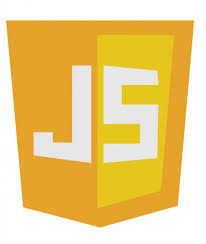
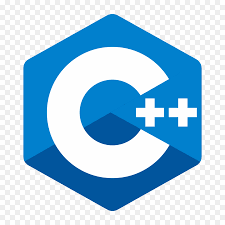
**<color name="teal\_200">#FF03DAC5</color>**

**<color name="teal\_700">#FF018786</color>**

**<color name="black">#FF000000</color>**

**<color name="white">#FFFFFFFF</color>**

**</resources>**

****