

**MainActivity.java**

```
package com.example.recyclerviewdemo;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    RecyclerView recyclerView;

    String s1[], s2[];
    int images[] = {R.drawable.c_plus_plus, R.drawable.c, R.drawable.java,
R.drawable.javascript, R.drawable.kotlin, R.drawable.python, R.drawable.ruby,
R.drawable.swift, R.drawable.typescript, R.drawable.visualstudio};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        recyclerView = findViewById(R.id.recyclerView);

        s1 = getResources().getStringArray(R.array.programming_languages);
        s2 = getResources().getStringArray(R.array.description);

        MyAdapter myAdapter = new MyAdapter(this, s1, s2, images);
        recyclerView.setAdapter(myAdapter);
        recyclerView.setLayoutManager(new LinearLayoutManager(this));
    }
}
```

**MyAdapter.java**

```
package com.example.recyclerviewdemo;

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.my_row, parent, false);
        return new MyViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull MyViewHolder holder, int
position) {
        holder.myText1.setText(data1[position]);
        holder.myText2.setText(data2[position]);
        holder.myImage.setImageResource(images[position]);

        holder.mainLayout.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(context, SecondActivity.class);
                intent.putExtra("data1", data1[position]);
                intent.putExtra("data2", data2[position]);
                intent.putExtra("myImage", images[position]);
            }
        });
    }
}

```

```

        context.startActivity(intent);
    }
    });
}

@Override
public int getItemCount() {
    return images.length;
}

public class MyViewHolder extends RecyclerView.ViewHolder{

    TextView myText1, myText2;
    ImageView myImage;
    ConstraintLayout mainLayout;

    public MyViewHolder (@NonNull View itemView){
        super(itemView);
        myText1 = itemView.findViewById(R.id.myText1);
        myText2 = itemView.findViewById(R.id.myText2);
        myImage = itemView.findViewById(R.id.myImageView);
        mainLayout = itemView.findViewById(R.id.mainLayout);

    }
}
}

```

### **SecondActivity.java**

```

package com.example.recyclerviewdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

public class SecondActivity extends AppCompatActivity {

    ImageView mainImageView;
    TextView title, description;

    String data1, data2;
}

```

```

int myImage;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_second);

    mainImageView = findViewById(R.id.mainImageView);
    title = findViewById(R.id.title);
    description = findViewById(R.id.description);

    getData();
    setData();
}

private void getData(){
    if(getIntent().hasExtra("myImage") && getIntent().hasExtra("data1") &&
    getIntent().hasExtra("data2")){

        data1 = getIntent().getStringExtra("data1");
        data2 = getIntent().getStringExtra("data2");
        myImage = getIntent().getIntExtra("myImage", 1);

    } else {
        Toast.makeText(this, "No data.", Toast.LENGTH_SHORT).show();
    }
}

private void setData(){
    title.setText(data1);
    description.setText(data2);
    mainImageView.setImageResource(myImage);
}
}

```

### **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/mainImageView"
        android:layout_width="64dp"
        android:layout_height="158dp"
        android:layout_marginTop="200dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/ruby" />
```

```
    <TextView
        android:id="@+id/title"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:text="TextView"
        android:textSize="40sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/mainImageView" />
```

```
    <TextView
```

```

        android:id="@+id/description"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="TextView"
        android:textSize="30sp"
        android:textStyle="normal"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/title" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

### my\_row.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:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    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_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">

        <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

            <ImageView
            android:id="@+id/myImageView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:srcCompat="@mipmap/ic_launcher" />

            <TextView
            android:id="@+id/myText1"

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="20dp"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="5dp"
        android:text="Title"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintStart_toEndOf="@+id/myImageView"
        app:layout_constraintTop_toTopOf="parent" />

```

```

<TextView
    android:id="@+id/myText2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Description"
    android:textSize="16sp"
    app:layout_constraintStart_toStartOf="@+id/myText1"
    app:layout_constraintTop_toBottomOf="@+id/myText1" />
</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.recyclerviewdemo">

    <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.RecyclerViewdemo">
        <activity android:name=".SecondActivity"
            android:parentActivityName=".MainActivity"
            android:label="Details"/>
        <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>
```

**OUTPUT:**





4:10



Details



## Javascript

This is random description.

