Main xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <Button  
 android:id="@+id/buttonSend"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Send Welcome Message"  
 android:layout\_centerInParent="true"/>  
  
</RelativeLayout>

Main Activity

package com.example.intent\_activity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Button buttonSend = findViewById(R.id.*buttonSend*);  
  
 buttonSend.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 // Create an Intent to send the message to the SecondActivity  
 Intent intent = new Intent(MainActivity.this, SecondActivity.class);  
 intent.putExtra("welcome\_message", "Welcome to the Second Activity!");  
 startActivity(intent);  
 }  
 });  
 }  
}

Second Xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <TextView  
 android:id="@+id/textViewMessage"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Welcome Message will appear here"  
 android:layout\_centerInParent="true"/>  
  
</RelativeLayout>

SecondActivity

package com.example.intent\_activity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class SecondActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
  
 // Retrieve the message sent through the Intent  
 Intent intent = getIntent();  
 String welcomeMessage = intent.getStringExtra("welcome\_message");  
  
 // Display the message in the TextView  
 TextView textViewMessage = findViewById(R.id.*textViewMessage*);  
 textViewMessage.setText(welcomeMessage);  
 }  
}