package com.tjelinek.bindingapp;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import com.tjelinek.bindingapp.databinding.ActivityMainBinding;  
import com.tjelinek.bindingapp.databinding.ActivityMainBindingImpl;  
import androidx.databinding.DataBindingUtil;  
  
  
import java.util.ArrayList;  
  
  
public class MainActivity extends AppCompatActivity {  
 private User user;  
 private int position = 0;  
 ArrayList<User> list = new ArrayList<User>();  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Button btnNext = (Button) findViewById(R.id.*buttonnext*);  
 btnNext.setOnClickListener(new View.OnClickListener() {  
 public void onClick(View v) {  
 if(position + 1 >= list.size())  
 position = 0;  
 else  
 position +=1;  
 user = list.get(position);  
 binding.setUser(user);  
 }  
 });  
   
 Button btnPrevious = (Button) findViewById(R.id.*buttonprevious*);  
 btnPrevious.setOnClickListener(new View.OnClickListener() {  
 public void onClick(View v) {  
 if(position == 0)  
 position = list.size() - 1;  
 else  
 position -= 1;  
 user = list.get(position);  
 binding.setUser(user);  
 }  
 });  
  
 ActivityMainBinding binding = DataBindingUtil.*setContentView*(this,R.layout.*activity\_main*);  
 createData();  
 user = new User();  
 user = list.get(0);  
 binding.setUser(user);  
  
  
  
 }  
 private void createData() {  
 user = new User();  
 user.setName("Allen Pearson");  
 user.setEmail("pearsona@gtc.edu");  
 list.add(user);  
  
 user = new User();  
 user.setName("Jack Pearson");  
 user.setEmail("pearsonj@gtc.edu");  
 list.add(user);  
  
 user = new User();  
 user.setName("Albert Einstein");  
 user.setEmail("einsteina@gtc.edu");  
 list.add(user);  
  
 user = new User();  
 user.setName("Leonardo DaVinci");  
 user.setEmail("davincil@gtc.edu");  
 list.add(user);  
  
 user = new User();  
 user.setName("Walter Payton");  
 user.setEmail("paytonw@gtc.edu");  
 list.add(user);  
  
 }  
 }

<?xml version="1.0" encoding="utf-8"?>  
<layout xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <data>  
  
 <variable  
 name="user"  
 type="com.tjelinek.bindingapp.User" />  
 </data>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@{user.name}" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@{user.email}" />  
  
 <Button  
 android:id="@+id/buttonprevious"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Previous" />  
  
 <Button  
 android:id="@+id/buttonnext"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Next" />  
  
 </LinearLayout>  
</layout>