# **XML**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout  
 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"**>  
  
 <**Button  
 android:id="@+id/btnSave"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:onClick="Save"  
 android:text="Save"** />  
  
 <**Button  
 android:id="@+id/btnRetr"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerHorizontal="true"  
 android:layout\_centerVertical="true"  
 android:onClick="Get"  
 android:text="Retrieve"** />  
  
 <**Button  
 android:id="@+id/btnClear"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignRight="@+id/etEmail"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:onClick="clear"  
 android:text="Clear"** />  
  
 <**EditText  
 android:id="@+id/etEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Email"  
 android:inputType="textEmailAddress"  
 android:layout\_below="@+id/etName"  
 android:layout\_marginTop="20dp"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:id="@+id/etName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="text"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignLeft="@+id/etEmail"  
 android:layout\_alignStart="@+id/etEmail"** />  
  
</**RelativeLayout**>

# **Java**

**package** com.example.mcasharedpref;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Context;  
**import** android.content.SharedPreferences;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
  
**public class** MainActivity **extends** AppCompatActivity {

SharedPreferences **sharedpreferences**;  
 EditText **name**;  
 EditText **email**;

**public static final** String ***mypreference*** = **"mcapref"**;  
 **public static final** String ***Name*** = **"nameKey"**;  
 **public static final** String ***Email*** = **"emailKey"**;

@Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);

**name** = (EditText) findViewById(R.id.***etName***);  
 **email** = (EditText) findViewById(R.id.***etEmail***);

**sharedpreferences** = getSharedPreferences(***mypreference***,  
 Context.***MODE\_PRIVATE***);

**if** (**sharedpreferences**.contains(***Name***)) {  
 **name**.setText(**sharedpreferences**.getString(***Name***, **""**));  
  
 }  
 **if** (**sharedpreferences**.contains(***Email***)) {  
 **email**.setText(**sharedpreferences**.getString(***Email***, **""**));  
  
 }  
  
 }  
 **public void Save(View view) {**

String n = **name**.getText().toString();  
 String e = **email**.getText().toString();  
 SharedPreferences.Editor editor = **sharedpreferences**.edit();  
 editor.putString(***Name***, n);  
 editor.putString(***Email***, e);  
 editor.commit();  
 }

**public void clear(View view) {** **name** = (EditText) findViewById(R.id.***etName***);  
 **email** = (EditText) findViewById(R.id.***etEmail***);  
 **name**.setText(**""**);  
 **email**.setText(**""**);  
  
 }  
  
 **public void Get(View view) {** **name** = (EditText) findViewById(R.id.***etName***);  
 **email** = (EditText) findViewById(R.id.***etEmail***);  
 **sharedpreferences** = getSharedPreferences(***mypreference***,  
 Context.***MODE\_PRIVATE***);  
  
 **if** (**sharedpreferences**.contains(***Name***)) {  
 **name**.setText(**sharedpreferences**.getString(***Name***, **""**));  
 }  
 **if** (**sharedpreferences**.contains(***Email***)) {  
 **email**.setText(**sharedpreferences**.getString(***Email***, **""**));  
  
 }  
}}