Roll No:-29

**Persisting Data using Shared Preferences**

* **MainActivity.kt**

**package** com.example.sharedpreferencesdemo  
  
**import** android.content.Intent  
**import** android.content.SharedPreferences  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.Button  
**import** android.widget.EditText  
**import** android.widget.Toast  
  
**class** MainActivity : AppCompatActivity() {  
 **lateinit var SharedPreferences**:SharedPreferences;  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 **var** text1: EditText =findViewById(R.id.*EditText1*)  
 **var** text2:EditText=findViewById(R.id.*EditText2*)  
 **var** text3:EditText=findViewById(R.id.*EditText3*)  
 **var** btn: Button =findViewById(R.id.*button1*)  
  
 btn.setOnClickListener **{  
 var** name = text1.*text*.toString();  
 **var** email = text2.*text*.toString();  
 **var** phone = text3.*text*.toString();  
  
 **SharedPreferences** = getSharedPreferences(**"MyPreferences"**, *MODE\_PRIVATE*);  
  
 **var** editor: SharedPreferences.Editor = **SharedPreferences**.edit();  
 editor.putString(**"myname"**, name);  
 editor.putString(**"myemail"**, email);  
 editor.putString(**"myphone"**, phone);  
 editor.commit()  
  
 Toast.makeText(*applicationContext*, **"Data Saved Successfully"**, Toast.*LENGTH\_LONG*).show();  
 **var** intent: Intent = Intent(*applicationContext*,MainActivity2::**class**.*java*)  
 startActivity(intent);  
 **}** }  
  
  
 }

* **MainActivity2.kt**

**package** com.example.sharedpreferencesdemo  
  
**import** android.content.SharedPreferences  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.Toast  
  
**class** MainActivity2 : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main2*)  
  
  
 **var** SharedPreferences:SharedPreferences=getSharedPreferences(**"MyPreferences"**,*MODE\_PRIVATE*)  
 **var** n=SharedPreferences.getString(**"myname"**,**" "**);  
 **var** e=SharedPreferences.getString(**"myemail"**,**" "**);  
 **var** p=SharedPreferences.getString(**"myphone"**,**" "**);  
  
 Toast.makeText(*applicationContext*,**"Data is "**+n+**" "**+e+**" "**+p,Toast.*LENGTH\_LONG*).show();  
  
 }  
}

* **AndroidManifests.xml**

<?**xml version="1.0" encoding="utf-8"**?>  
<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.sharedpreferencesdemo"**>  
  
 <**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.Sharedpreferences"**>  
 <**activity  
 android:name=".MainActivity2"  
 android:exported="true"**>  
 <**intent-filter**>  
 <**action android:name="com.example.sharedpreferencesdemo.SecondActivity"** />  
  
 <**category android:name="android.intent.category.DEFAULT"** />  
 </**intent-filter**>  
 </**activity**>  
 <**activity  
 android:name=".MainActivity"  
 android:exported="true"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

**Output:-**

 

