



Lab1. Shared Preferences

1. Start a new project with blank activity
2. Go to activity_main.xml and change the layout

```
<TextView android:text="@string/hello_world" android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBottom="@+id/TxtName"
    android:layout_alignParentStart="true" />

<EditText
    android:layout_width="200sp"
    android:layout_height="wrap_content"
    android:id="@+id/TxtName"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="E mail"
    android:id="@+id/textView"
    android:layout_below="@+id/TxtName"
    android:layout_alignParentStart="true"
    android:layout_marginTop="55dp" />

<EditText
    android:layout_width="200sp"
    android:layout_height="wrap_content"
    android:id="@+id/TxtMail"
    android:layout_alignTop="@+id/textView"
    android:layout_alignStart="@+id/TxtName" />

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=" Save "
    android:id="@+id/buttonSave"
    android:layout_centerVertical="true"
    android:layout_alignParentStart="true"
    android:onClick="Save" />

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=" View "
    android:id="@+id/buttonView"
    android:layout_alignTop="@+id/buttonSave"
    android:layout_centerHorizontal="true"
    android:onClick="Get" />
```

IT2417 - Mobile Applications Development

Lab Session 10



3. Add given code to MainActivity.java

```
import android.app.Activity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.content.Context;
import android.content.SharedPreferences;
import android.view.View;
import android.widget.TextView;

public class MainActivity extends Activity {
    SharedPreferences MyPref;
    TextView TextName;
    TextView TextMail;

    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);
        TextName = (TextView) findViewById(R.id.TxtName);
        TextMail = (TextView) findViewById(R.id.TxtMail);
        MyPref = getSharedPreferences("mypref", Context.MODE_PRIVATE);
        if (MyPref.contains(Name))
        {
            TextName.setText(MyPref.getString(Name, ""));
        }
        if (MyPref.contains(Email))
        {
            TextMail.setText(MyPref.getString(Email, ""));
        }
    }

    public void Save(View view) {
        String n = TextName.getText().toString();
        String e = TextMail.getText().toString();
        SharedPreferences.Editor editor = MyPref.edit();
        editor.putString(Name, n);
        editor.putString(Email, e);
        editor.commit();
    }

    public void Get(View view) {
        TextName = (TextView) findViewById(R.id.TxtName);
        TextMail = (TextView) findViewById(R.id.TxtMail);
        MyPref = getSharedPreferences("mypref", Context.MODE_PRIVATE);

        if (MyPref.contains(Name)) {
            TextName.setText(MyPref.getString(Name, ""));
        }
        if (MyPref.contains(Email)) {
            TextMail.setText(MyPref.getString(Email, ""));
        }
    }
}
.....}
```

4. Build and run app