ANDROID LAB

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**Roll No: 48**

**Batch: B**

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**Aim**

Design a registration activity and store registration details in local memory of phone  
using Intents and SharedPreferences

**Procedure**

**Activity.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
android:layout\_width="match\_parent"  
android:layout\_height="match\_parent"  
android:orientation="vertical">  
<TextView  
android:id="@+id/textView"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_centerHorizontal="true"  
android:layout\_marginLeft="90dp"  
android:layout\_marginTop="30dp"  
android:text="Login Here!!"  
android:textColor="#00574B"  
android:textSize="30sp"  
android:textStyle="bold" />  
<TextView  
android:id="@+id/text"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="100dp"  
android:layout\_marginTop="80dp"  
android:text="Enter your UserName" />  
<EditText  
android:id="@+id/Name"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="100dp"  
android:ems="10" />  
<TextView  
android:id="@+id/text2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="100dp"  
android:text="Enter your Password" />  
<EditText  
android:id="@+id/password"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="100dp"  
android:ems="10"  
android:inputType="textPassword" />  
<Button  
android:id="@+id/Login"  
android:layout\_width="196dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="100dp"  
android:text="Login" />  
</LinearLayout>

**MainActivity.java**

package com.example.sharedpref;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
EditText username, pass;  
Button Login\_Button;  
SharedPreferences Shared\_pref;  
Intent intent;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
username = findViewById(R.id.*Name*);  
pass = findViewById(R.id.*password*);  
Login\_Button = findViewById(R.id.*Login*);  
Shared\_pref = getSharedPreferences("user\_details", *MODE\_PRIVATE*);  
intent = new Intent(MainActivity.this, SecondActivity.class);  
if (Shared\_pref.contains("username") &&  
Shared\_pref.contains("password")) {  
startActivity(intent);  
}  
Login\_Button.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
String username =  
MainActivity.this.username.getText().toString();  
String password = pass.getText().toString();  
if (username.equals("Jerin") && password.equals("8282")) {  
SharedPreferences.Editor editor = Shared\_pref.edit();  
editor.putString("username", username);  
editor.putString("password", password);  
editor.commit();  
Toast.*makeText*(getApplicationContext(), "Logged in",  
Toast.*LENGTH\_SHORT*).show();  
startActivity(intent);  
}else {  
Toast.*makeText*(getApplicationContext(), "Enter Right  
Credentials", Toast.*LENGTH\_SHORT*).show();  
}  
}  
});  
}  
}

**Acitivity\_second.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
android:layout\_width="match\_parent"  
android:layout\_height="match\_parent"  
android:orientation="vertical">  
<TextView  
android:id="@+id/res\_text"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_gravity="center"  
android:layout\_marginTop="170dp"  
android:textSize="22dp" />  
<Button  
android:id="@+id/LogOut"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_gravity="center"  
android:layout\_marginTop="25dp"  
android:text="Log Out" />  
</LinearLayout>

**SecondActivity.java**

package com.example.sharedpref;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
public class SecondActivity extends AppCompatActivity {  
SharedPreferences newPreference;  
Intent newIntent;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_second*);  
TextView result = findViewById(R.id.*res\_text*);  
Button LogOut\_btn = findViewById(R.id.*LogOut*);  
newPreference = getSharedPreferences("user\_details", *MODE\_PRIVATE*);  
newIntent = new Intent(SecondActivity.this, MainActivity.class);  
result.setText("Welcome, " + newPreference.getString("username",  
null));  
LogOut\_btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
SharedPreferences.Editor edit = newPreference.edit();  
edit.clear();  
edit.commit();  
startActivity(newIntent);  
}  
});  
}  
}