

## **PRACTICAL 11**

**Aim:** Create a Login application that having fields Email ID, Password and Remember me and Login button. On click of Login button open next activity with welcome message and if remember me option is checked than store values in SharedPreferences.

**Code:**

**JAVA FILE: (MainActivity.java)**

```
package com.example.practical11;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    private EditText editTextEmail, editTextPassword;
    private CheckBox checkBoxRememberMe;
    private SharedPreferences sharedPreferences;
    private static final String PREFS_NAME = "MyPrefsFile";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        editTextEmail = findViewById(R.id.editTextEmail);
        editTextPassword = findViewById(R.id.editTextPassword);
        checkBoxRememberMe = findViewById(R.id.checkBoxRememberMe);
        sharedPreferences = getSharedPreferences(PREFS_NAME, MODE_PRIVATE);
        Button buttonLogin = findViewById(R.id.buttonLogin);
        buttonLogin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                login();
            }
        });
        if (sharedPreferences.getBoolean("rememberMe", false)) {
            editTextEmail.setText(sharedPreferences.getString("email", ""));
            editTextPassword.setText(sharedPreferences.getString("password", ""));
            checkBoxRememberMe.setChecked(true);
        }
    }
}
```

```
    }  
    }  
    private void login() {  
        String email = editTextEmail.getText().toString();  
        String password = editTextPassword.getText().toString();  
        if (checkBoxRememberMe.isChecked()) {  
            SharedPreferences.Editor editor = sharedPreferences.edit();  
            editor.putString("email", email);  
            editor.putString("password", password);  
            editor.putBoolean("rememberMe", true);  
            editor.apply();  
        } else {  
            SharedPreferences.Editor editor = sharedPreferences.edit();  
            editor.remove("email");  
            editor.remove("password");  
            editor.remove("rememberMe");  
            editor.apply();  
        }  
        Intent intent = new Intent(this, WelcomeActivity.class);  
        intent.putExtra("email", email);  
        startActivity(intent);  
    }  
}
```

**JAVA FILE: (WelcomeActivity.java)**

```
package com.example.practical1;  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
import androidx.appcompat.app.AppCompatActivity;  
public class WelcomeActivity extends AppCompatActivity {  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_welcome);  
        TextView textViewWelcome = findViewById(R.id.textViewWelcome);  
        Intent intent = getIntent();  
        String email = intent.getStringExtra("email");  
        if (email != null) {  
            textViewWelcome.setText("Welcome, " + email + "!");  
        }  
    }  
}
```

**XML FILE: (activity\_main.xml)**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/editTextEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Email ID" />
    <EditText
        android:id="@+id/editTextPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="textPassword"
        android:hint="Password" />
    <CheckBox
        android:id="@+id/checkboxRememberMe"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Remember me" />
    <Button
        android:id="@+id/buttonLogin"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login" />
</LinearLayout>
```

**XML FILE: (activity\_welcome.xml)**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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=".WelcomeActivity">
    <TextView
        android:id="@+id/textViewWelcome"
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

**Output:**

