**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.practical11;

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"

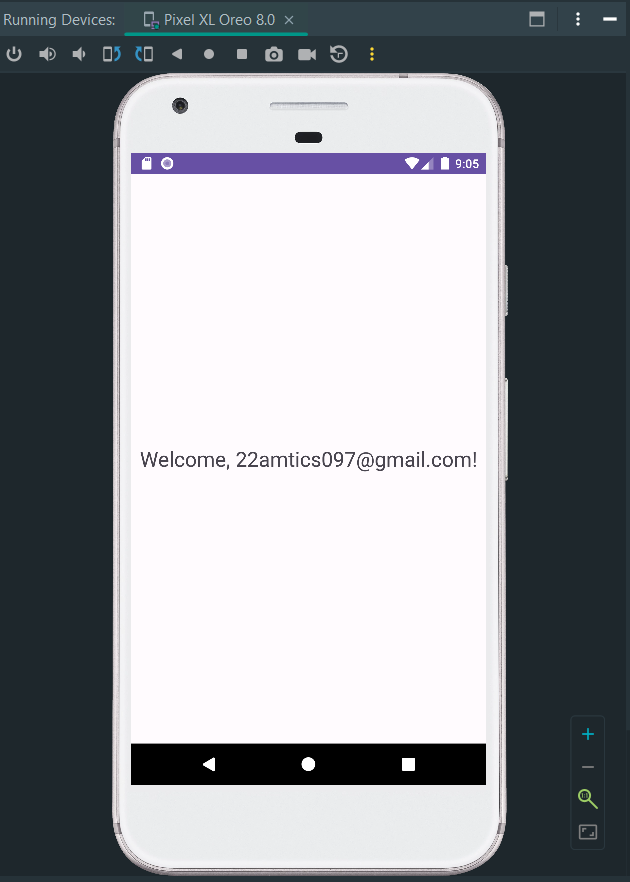
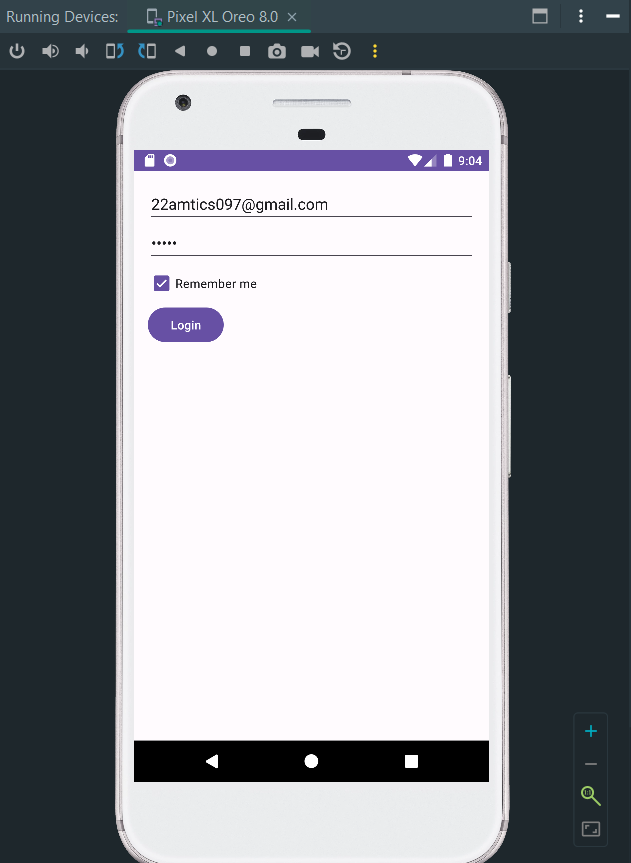
app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Output:**

****