**Week – 7**

**Q. Develop an applicaƟon to demonstrate shared preferences**

# acƟvity\_main.xml

<?xml version="1.0" encoding="uƞ-8"?>

<LinearLayout xmlns:android="hƩp://schemas.android.com/apk/res/android" xmlns:tools="hƩp://schemas.android.com/tools" android:layout\_width="match\_parent" android:layout\_height="match\_parent"

android:orientaƟon="verƟcal" tools:context=".MainAcƟvity" tools:ignore="HardcodedText">

<TextView android:id="@+id/textView"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="Shared Preferences Demo" />

<EditText android:id="@+id/editTextText"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:ems="10" android:inputType="text" android:hint="Name" />

<EditText android:id="@+id/editTextText2" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:ems="10" android:inputType="text" android:hint="Age" />

</LinearLayout>

# MainAcƟvity.java

package com.example.week7;

import android.os.Bundle;

import android.content.SharedPreferences;

import androidx.appcompat.app.AppCompatAcƟvity; import android.widget.EditText;

public class MainAcƟvity extends AppCompatAcƟvity { private EditText name, age;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*acƟvity\_main*);

name = ﬁndViewById(R.id.*editTextText*); age = ﬁndViewById(R.id.*editTextText2*);

}

@Override

protected void onResume() { super.onResume();

SharedPreferences sh = getSharedPreferences("MySharedPref",

*MODE\_PRIVATE*);

String s1 = sh.getString("name", ""); int a = sh.getInt("age", 0); name.setText(s1); age.setText(String.*valueOf*(a));

}

@Override

protected void onPause() { super.onPause();

SharedPreferences sharedPreferences = getSharedPreferences("MySharedPref", *MODE\_PRIVATE*);

SharedPreferences.Editor myEdit = sharedPreferences.edit(); myEdit.putString("name", name.getText().toString()); myEdit.putInt("age", Integer.*parseInt*(age.getText().toString())); myEdit.apply();

}

}