**PRACTICAL NO: 8A**

**Aim:** Create an android app that demonstrate Shared Preferences.

Code:

Activity\_main.xml:

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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=".MainActivity"

tools:ignore="ExtraText,HardcodedText">

<TextView

android:id="@+id/textview"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="32dp"

android:text="Shared Preferences Demo"

android:textColor="@android:color/black"

android:textSize="24sp" />

<EditText

android:id="@+id/edit1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/textview"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your Name"

android:padding="10dp" />

<EditText

android:id="@+id/edit2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit1"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your Age"

android:padding="10dp"

android:inputType="number" />

</RelativeLayout>

MainActivity.java:

package com.example.practical08a;

import androidx.appcompat.app.AppCompatActivity;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.widget.EditText;

import java.sql.CallableStatement;

public class MainActivity extends AppCompatActivity {

private EditText name, age;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); name = findViewById(R.id.edit1); age = findViewById(R.id.edit2);

}

@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();

}

}

Output:

