**Date:- / /**

**Roll No:-106**

**Practical No:-14**

**Practical Name:- Demonstrate use of shared preference**

**---------------------------------------------------------------------------------------------------------**

**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">  
  
 <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 to take the data from the user  
 and save the data in SharedPreferences-->* <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 to take the data from the user and  
 save the data in SharedPreferences-->* <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>

**Main\_activity.java**

package com.example.sharedpreferences;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.content.SharedPreferences;  
import android.widget.EditText;  
  
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*);  
 }  
  
 *// Fetch the stored data in onResume()  
 // Because this is what will be called  
 // when the app opens again* @Override  
 protected void onResume() {  
 super.onResume();  
  
 *// Fetching the stored data  
 // from the SharedPreference* SharedPreferences sh = getSharedPreferences("MySharedPref", MODE\_PRIVATE);  
  
 String s1 = sh.getString("name", "");  
 int a = sh.getInt("age", 0);  
  
 *// Setting the fetched data  
 // in the EditTexts* name.setText(s1);  
 age.setText(String.valueOf(a));  
 }  
  
 *// Store the data in the SharedPreference  
 // in the onPause() method  
 // When the user closes the application  
 // onPause() will be called  
 // and data will be stored* @Override  
 protected void onPause() {  
 super.onPause();  
  
 *// Creating a shared pref object  
 // with a file name "MySharedPref"  
 // in private mode* SharedPreferences sharedPreferences = getSharedPreferences("MySharedPref", MODE\_PRIVATE);  
 SharedPreferences.Editor myEdit = sharedPreferences.edit();  
  
 *// write all the data entered by the user in SharedPreference and apply* myEdit.putString("name", name.getText().toString());  
 myEdit.putInt("age", Integer.parseInt(age.getText().toString()));  
 myEdit.apply();  
 }  
}

**Output –**