1. Shared Preference

# JAVA CODE

**package** com.example.sharedpreference;

**import** androidx.appcompat.app.AppCompatActivity;

**import** android.content.SharedPreferences;

**import** android.os.Bundle; **import** android.view.View; **import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.TextView;

**public class** MainActivity **extends** AppCompatActivity { EditText **edt1**,**edt2**,**edt3**,**edt4**;

TextView **txt1**,**txt2**,**txt3**,**txt4**,**txt5**,**txt6**,**txt7**,**txt8**,**txt9**; Button **btn**;

@Override

**protected void** onCreate(Bundle savedInstanceState) { **super**.onCreate(savedInstanceState); setContentView(R.layout.***activity\_main***); **edt1**=findViewById(R.id.***editText***); **edt2**=findViewById(R.id.***editText2***); **edt3**=findViewById(R.id.***editText3***); **edt4**=findViewById(R.id.***editText4***); **txt1**=findViewById(R.id.***textView***); **txt2**=findViewById(R.id.***textView2***); **txt3**=findViewById(R.id.***textView3***); **txt4**=findViewById(R.id.***textView4***); **txt5**=findViewById(R.id.***textView6***); **txt6**=findViewById(R.id.***textView7***); **txt7**=findViewById(R.id.***textView8***); **txt8**=findViewById(R.id.***textView9***); **txt9**=findViewById(R.id.***textView5***); **btn**=findViewById(R.id.***button***); **btn**.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View view) {

SharedPreferences sharedPreference = getSharedPreferences(**"pref"**,

***MODE\_PRIVATE***);

SharedPreferences.Editor editor = sharedPreference.edit(); editor.apply();

editor.putString(**"key1"**, **edt1**.getText().toString()); editor.putString(**"key2"**, **edt2**.getText().toString()); editor.putString(**"key3"**, **edt3**.getText().toString()); editor.putString(**"key4"**, **edt4**.getText().toString());

SharedPreferences shp = getSharedPreferences(**"pref"**, ***MODE\_PRIVATE***); String str1 = shp.getString(**"key1"**, **""**);

**txt5**.setText(**"Name :"**+str1);

String str2 = shp.getString(**"key2"**, **""**); **txt6**.setText(**"Address :"**+str2);

String str3 = shp.getString(**"key3"**, **""**); **txt7**.setText(**"Number :"**+str3);

String str4 = shp.getString(**"key4"**, **""**); **txt8**.setText(**"Email :"**+str4);

}

});

}

}

**XML CODE**

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

<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android**[**="http://schemas.android.com/apk/res/android"**](http://schemas.android.com/apk/res/android)

**xmlns:app**[**="http://schemas.android.com/apk/res-auto"**](http://schemas.android.com/apk/res-auto) **xmlns:tools**[**="http://schemas.android.com/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:text="Name" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.173" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.119"** />

<**TextView**

**android:id="@+id/textView2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Addresss" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.17" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.261"** />

<**TextView**

**android:id="@+id/textView3" android:layout\_width="58dp"**

android:layout\_height="14dp" android:text="Number" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.169" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.408" />

<TextView

android:id="@+id/textView4" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Email" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.173" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.547" />

<Button

android:id="@+id/button" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:background="#729FD81B" android:text="REGISTER" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.498" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.682" />

<EditText

android:id="@+id/editText" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName"

app:layout\_constraintBottom\_toTopOf="@+id/editText2" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.487" app:layout\_constraintStart\_toEndOf="@+id/textView" app:layout\_constraintTop\_toTopOf="parent" />

<EditText

android:id="@+id/editText2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName"

app:layout\_constraintBottom\_toTopOf="@+id/editText3" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.5" app:layout\_constraintStart\_toEndOf="@+id/textView2"

app:layout\_constraintTop\_toBottomOf="@+id/editText" />

<EditText

android:id="@+id/editText3" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="number"

app:layout\_constraintBottom\_toTopOf="@+id/editText4" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.5" app:layout\_constraintStart\_toEndOf="@+id/textView3" app:layout\_constraintTop\_toBottomOf="@+id/editText2" />

<EditText

android:id="@+id/editText4" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textEmailAddress" app:layout\_constraintBottom\_toTopOf="@+id/button" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.487" app:layout\_constraintStart\_toEndOf="@+id/textView4"

app:layout\_constraintTop\_toBottomOf="@+id/editText3" />

<TextView

android:id="@+id/textView5" android:layout\_width="0dp" android:layout\_height="wrap\_content" android:text=" REGISTRATION"

android:textAppearance="@style/TextAppearance.AppCompat.Body1" android:textColor="#E23949AB"

android:textSize="30sp" android:textStyle="bold"

app:layout\_constraintBottom\_toTopOf="@+id/editText" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.5" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" />

<TextView

android:id="@+id/textView6" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="TextView" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.759" />

<TextView

android:id="@+id/textView7" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"

**android:text="TextView" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.813"** />

<**TextView**

**android:id="@+id/textView8" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="TextView" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/textView7" app:layout\_constraintVertical\_bias="0.245"** />

<**TextView**

**android:id="@+id/textView9" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="TextView" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/textView8" app:layout\_constraintVertical\_bias="0.328"** />

</**androidx.constraintlayout.widget.ConstraintLayout**>

# OUTPUT



