

## Practical – 10

**Aim :-** Create an android app that demonstrate Shared Preferences and Internal storage.

**Code :-**

**MainActivity.java :-**

```
package com.example.practical10;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    EditText ed1, ed2, ed3;
    Button b1;
    public static final String MyPREFERENCES = "MyPrefs";
    public static final String Name = "nameKey";
    public static final String Phone = "phoneKey";
    public static final String Email = "emailKey";
    SharedPreferences sharedpreferences;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        ed1 = (EditText) findViewById(R.id.editText);
        ed2 = (EditText) findViewById(R.id.editText2);
        ed3 = (EditText) findViewById(R.id.editText3);
        b1 = (Button) findViewById(R.id.button);
        sharedpreferences = getSharedPreferences(MyPREFERENCES,
            Context.MODE_PRIVATE);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String n = ed1.getText().toString();

                String ph = ed2.getText().toString();
                String e = ed3.getText().toString();
                SharedPreferences.Editor editor = sharedpreferences.edit();
```

```
        editor.putString(Name, n);
        editor.putString(Phone, ph);
        editor.putString(Email, e);
        editor.commit();
        Toast.makeText(MainActivity.this, "Data saved successfully.",
Toast.LENGTH_LONG).show();
    }
    });
}
}
```

### 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:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Shared Preference "
        android:id="@+id/textView"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:textSize="35dp" />

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/editText"
        android:layout_below="@+id/textView2"
        android:layout_marginTop="67dp"
        android:hint="Name"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true" />

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/editText2"
        android:layout_below="@+id/editText"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true"
        android:layout_alignParentRight="true"
```

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```
        android:layout_alignParentEnd="true"
        android:hint="Pass" />
<EditText
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/editText3"
    android:layout_below="@+id/editText2"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true"
    android:hint="Email" />
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Save"
    android:id="@+id/button"
    android:layout_below="@+id/editText3"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="50dp" />
```

</RelativeLayout>

**Output :-**

