# Program 7. Create an android application to demonstrate storing data into internal phone memory.

Activity\_main.xml

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

<RelativeLayout xmlns:android="[http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:id="@+id/activity\_main"

android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context="com.example.internalstorage.MainActivity">

<TextView android:text="@string/name" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentTop="true" android:layout\_alignParentLeft="true" android:layout\_alignParentStart="true" android:layout\_marginLeft="51dp" android:layout\_marginStart="51dp" android:layout\_marginTop="59dp" android:id="@+id/txtname" android:textStyle="bold|italic" android:textSize="18sp" />

<TextView android:text="@string/password" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_below="@+id/txtname" android:layout\_alignLeft="@+id/txtname" android:layout\_alignStart="@+id/txtname" android:layout\_marginTop="56dp" android:id="@+id/txtpass" android:textStyle="bold|italic" android:textSize="18sp" />

<EditText android:id="@+id/editName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentTop="true" android:layout\_marginStart="21dp" android:layout\_marginLeft="21dp" android:layout\_marginTop="48dp"

android:layout\_toEndOf="@+id/txtpass" android:layout\_toRightOf="@+id/txtpass" android:ems="8" android:inputType="textPersonName" />

<EditText android:id="@+id/editPass" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" android:layout\_below="@+id/editName"

android:layout\_alignStart="@+id/editName" android:layout\_alignLeft="@+id/editName" android:layout\_marginTop="35dp" android:ems="10" android:inputType="textPassword" />

<Button android:text="@string/save"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_below="@+id/editPass" android:layout\_alignLeft="@+id/txtpass" android:layout\_alignStart="@+id/txtpass" android:layout\_marginTop="86dp" android:id="@+id/button" android:onClick="save"/> // OnClick "save"

<Button android:text="@string/next"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignTop="@+id/button" android:layout\_alignRight="@+id/editName" android:layout\_alignEnd="@+id/editName" android:layout\_marginRight="25dp" android:layout\_marginEnd="25dp" android:id="@+id/button2" android:onClick="next"/> // OnClick "next"

</RelativeLayout> Activity\_second.xml

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

<RelativeLayout xmlns:android="[http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:id="@+id/activity\_main2"

android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context="com.example.internalstorage.MainActivity2">

<TextView android:text="@string/getname" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentTop="true" android:layout\_alignRight="@+id/button3" android:layout\_alignEnd="@+id/button3" android:layout\_marginRight="11dp" android:layout\_marginEnd="11dp" android:layout\_marginTop="76dp" android:id="@+id/textView3" android:textSize="18sp" android:textStyle="bold|italic" />

<TextView android:text="@string/getpassword" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" android:layout\_below="@+id/textView3" android:layout\_alignRight="@+id/textView3" android:layout\_alignEnd="@+id/textView3" android:layout\_marginTop="33dp" android:id="@+id/textView4" android:textStyle="bold|italic" android:textSize="18sp" />

<TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_above="@+id/textView4" android:layout\_alignLeft="@+id/button4" android:layout\_alignStart="@+id/button4" android:id="@+id/getname" android:textStyle="bold|italic" android:textSize="18sp" />

<TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignBottom="@+id/textView4" android:layout\_alignLeft="@+id/getname" android:layout\_alignStart="@+id/getname" android:id="@+id/getpass" android:textStyle="bold|italic" android:textSize="18sp" />

<Button android:text="@string/load"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:id="@+id/button3" android:layout\_marginLeft="35dp" android:layout\_marginStart="35dp" android:onClick="load" android:layout\_below="@+id/textView4" android:layout\_alignParentLeft="true" android:layout\_alignParentStart="true" android:layout\_marginTop="80dp" />

<Button android:text="@string/back"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginRight="54dp" android:layout\_marginEnd="54dp" android:id="@+id/button4" android:onClick="back" android:layout\_alignBaseline="@+id/button3" android:layout\_alignBottom="@+id/button3" android:layout\_alignParentRight="true" android:layout\_alignParentEnd="true" />

</RelativeLayout>

MainActivity.java

package com.example.internalstorage;

import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;

import android.content.Context; import android.content.Intent; import android.view.View; import android.widget.EditText; import android.widget.Toast; import java.io.File;

import java.io.FileOutputStream; import java.io.IOException;

public class MainActivity extends AppCompatActivity { EditText editname,editpass;

@Override

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

editname = (EditText) findViewById(R.id.editName); editpass= (EditText) findViewById(R.id.editPass);

}

public void save(View view) // SAVE

{

File file= null;

String name = editname.getText().toString(); String password = editpass.getText().toString(); FileOutputStream fileOutputStream = null;

try {

name = name + " "; file = getFilesDir();

fileOutputStream = openFileOutput("Code.txt", Context.MODE\_PRIVATE); //MODE PRIVATE

fileOutputStream.write(name.getBytes()); fileOutputStream.write(password.getBytes()); Toast.makeText(this, "Saved \n" + "Path --" + file + "\tCode.txt", Toast.LENGTH\_SHORT).show();

editname.setText(""); editpass.setText(""); return;

} catch (Exception ex) { ex.printStackTrace();

} finally { try {

fileOutputStream.close();

} catch (IOException e) { e.printStackTrace();

}

}

}

public void next( View view) //NEXT

{

Toast.makeText(this,"NEXT", Toast.LENGTH\_SHORT).show();

Intent intent= new Intent(this, MainActivity2.class); startActivity(intent);

}

}

MainActivity2.java

package com.example.internalstorage;

import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;

import android.content.Intent; import android.util.Log; import android.view.View;

import android.widget.TextView; import android.widget.Toast; import java.io.FileInputStream;

public class MainActivity2 extends AppCompatActivity { TextView getname, getpass;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_second);

getname = (TextView)findViewById(R.id.getname); getpass = (TextView)findViewById(R.id.getpass);

}

public void load(View view)

{

try {

FileInputStream fileInputStream = openFileInput("Code.txt"); int read = -1;

StringBuffer buffer = new StringBuffer(); while((read =fileInputStream.read())!= -1){ buffer.append((char)read);

}

Log.d("Code", buffer.toString());

String name = buffer.substring(0,buffer.indexOf(" ")); String pass = buffer.substring(buffer.indexOf(" ")+1); getname.setText(name);

getpass.setText(pass);

} catch (Exception e) { e.printStackTrace();

}

Toast.makeText(this,"Loaded", Toast.LENGTH\_SHORT).show();

}

public void back( View view)

{

Toast.makeText(this,"Back", Toast.LENGTH\_SHORT).show(); Intent intent= new Intent(this, MainActivity.class); startActivity(intent);

}

}

OUTPUT

