

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"
xmlns: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.storagedata.MainActivity">

    <TextView    android:text="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="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="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="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>

```

Main activity.java

```

package com.example.storagedata;

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);

}
}

```

activity_main2.XML

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

<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns: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.storagedata.MainActivity2" >

    <TextView android:text="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="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="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="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>
```

Main activity2.java

```
package com.example.storagedata;

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_main2);    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



