

PROGRAM-Storing data into internal phone storage**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.mca.internal_storage_data.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>
```

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.mca.internal_storage_data.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 Activity.java

```

package com.mca.internal_storage_data;

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);

    }
}

```

Main activity2.java

```

package com.mca.internal_storage_data;

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:



