

Practical 11 Solution:

Step 1: Start a new Application with an appropriate name, here I named "login1".

Step 2: Create the activity.xml File with RelativeLayout.

Step 3: Create the Java Activity code ie MainActivity.java that will call another activity on successful login.

Step 4: Create activity2 that will call back MainActivity if user chooses logout and design its xml file.

Step 5: Run the app

-----  
activity\_main.xml  
-----

```
<<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/RelativeLayout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
android:layout_alignParentTop="true"  
android:layout_centerHorizontal="true"  
android:text="Login Application" />
```

```
<TextView
```

```
    android:id="@+id/t2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="30dp"  
    android:layout_marginTop="80dp"  
    android:text="Username"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@id/t1" />
```

```
<TextView
```

```
    android:id="@+id/t3"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="30dp"  
    android:layout_marginTop="120dp"  
    android:text="Password"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@id/t2" />
```

```
<EditText
```

```
    android:id="@+id/e1"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="80dp"
android:layout_marginTop="80dp"
android:ems="10"
android:inputType="textPersonName"
app:layout_constraintStart_toEndOf="@id/t2"
app:layout_constraintTop_toTopOf="parent" />
```

<EditText

```
android:id="@+id/e2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="80dp"
android:layout_marginTop="120dp"
android:ems="10"
android:inputType="textPassword"
app:layout_constraintLeft_toRightOf="@id/t3"
app:layout_constraintTop_toBottomOf="@id/t2" />
```

<Button

```
android:id="@+id/b1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_centerHorizontal="true"
android:layout_centerVertical="true"
android:onClick="check"
```

```
        android:text="Login"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</RelativeLayout>
```

---

### MainActivity.java

note- write the code from import statement onwards

Do not change your package name as that might be different from this package

---

```
package com.example.login1;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void check(View v) {
```

```
String txt = "Welcome ";
EditText ed1 = (EditText) findViewById(R.id.e1);
EditText ed2 = (EditText) findViewById(R.id.e2);
String a=ed1.getText().toString();
String b=ed2.getText().toString();
if(a.equals("geeta") && b.equals("1234"))
{
    Intent intent=new Intent(this, activity2.class);
    intent.putExtra("username",a);
    startActivity(intent);
}
else
{
    Toast.makeText(this,"Invalid User", Toast.LENGTH_LONG).show();
}
}
}
```

---

activity2\_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=".activity2">
```

```
<TextView
```

```
    android:id="@+id/textView2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="8dp"  
    android:layout_marginEnd="8dp"  
    android:layout_marginLeft="8dp"  
    android:layout_marginRight="8dp"  
    android:layout_marginStart="8dp"  
    android:layout_marginTop="8dp"  
    android:text="Login Successful"  
/>
```

```
<Button
```

```
    android:id="@+id/button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@id/textView2"  
    android:layout_marginStart="8dp"  
    android:layout_marginLeft="8dp"  
    android:layout_marginTop="8dp"  
    android:layout_marginEnd="8dp"  
    android:layout_marginRight="8dp"  
    android:layout_marginBottom="8dp"  
    android:onClick="onCL"
```

```
        android:text="Logout"
    />
</RelativeLayout>
```

---

### activity2.java

note- write the code from import statement onwards

Do not change your package name as that might be different from this package

---

```
package com.example.login1;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.example.login1.MainActivity;
import com.example.login1.R;
public class activity2 extends AppCompatActivity {
    TextView textView;
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity2_main);
        textView=findViewById(R.id.textView2);
```

```

Intent f=getIntent();
String d=f.getStringExtra("username");
textView.setText("Hello "+d);
Toast.makeText(this,"Login Successful",Toast.LENGTH_LONG).show();
}
public void onCL(View v)
{
AlertDialog.Builder dbox=new AlertDialog.Builder(this);
dbox.setTitle("Confirm Dialog Box");
dbox.setMessage("Do you want to log out?");
dbox.setPositiveButton("YES", new DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Intent i=new Intent(getApplicationContext(), MainActivity.class);
startActivity(i);
}
});
dbox.setNegativeButton("NO", new DialogInterface.OnClickListener()
{ @Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(getApplicationContext(), "Application not exited" ,
Toast.LENGTH_SHORT).show();
}
});
dbox.show();
}
}

```