

Step 1: Start a new Application with an appropriate name say "login".

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

Step 3: Add a Textviews for heading(set id as t1), two textviews for labels for Username and password(t2and t3) and Two editboxes(one plaintext for username as e1 and one password for password as e2) and one button(b1).

Step 4: Position the elements on the design view by setting relevant properties or you can copy the code from here as in activity\_main.xml.

Step 4: Create the Java Activity codecode ie MainActivity.java

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>
```

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### MainActivity.java

note- write the code from import statement onwards

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

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```
package com.example.login;

import androidx.appcompat.app.AppCompatActivity;

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"))
        {
            Toast.makeText(this, txt + a, Toast.LENGTH_LONG).show();
        } else
```

```
{  
    Toast.makeText(this,"Invalid User", Toast.LENGTH_LONG).show();  
}  
}  
}
```

For any doubt contact 9873961590