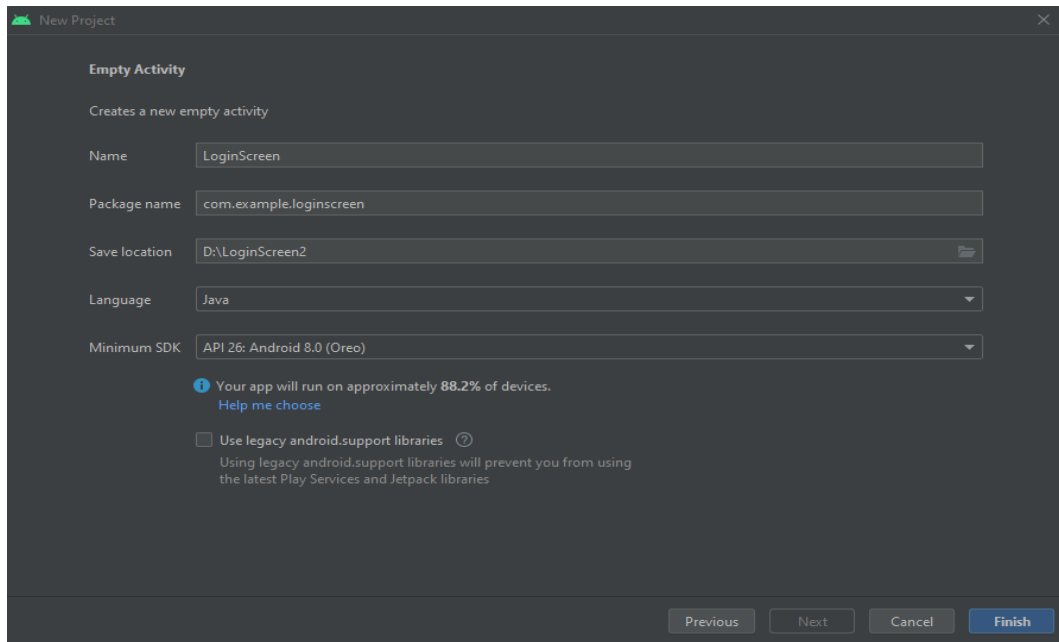# Job Name: Create a Login Page in Android Studio using Java.

Step 1: Open Android Studio, Create New Project and Choose Empty Activity. Click Finish.

Step 2: Add Color under folder res ->values->colors.xml.

You can use any color according to your app requirements, I have used our brand color #8692f7.

<color name="purple">#8692f7</color>

Step 3: Create custom_edittext.xml

Right-click on the drawable folder under the res folder then click on New -> Drawable Resource File

The round corners are 20dp, you can customize them as per your requirements.

Type the below code:

```xml
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    android:shape="rectangle">

    <stroke
        android:width="3dp"
        android:color="@color/purple"/>
    <corners
        android:radius="20dp"/>
</shape>
```

Step 4: Type the below code in activity_main.xml.

We have created a minimal and beautiful design for the login page in android studio.

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    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"
    xmlns:card_view="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:background="@drawable/loginbkg"
    tools:context=".MainActivity">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="30dp"
        app:cardCornerRadius="30dp"
        app:cardElevation="20dp"
        android:background="@drawable/custom_edittext">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:layout_gravity="center_horizontal"
            android:padding="24dp">


            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Login"
                android:id="@+id/loginText"
                android:textSize="36sp"
                android:textAlignment="center"
                android:textStyle="bold"
                android:textColor="@color/purple"/>

            <EditText
                android:layout_width="match_parent"
                android:layout_height="50dp"
                android:id="@+id/username"
                android:background="@drawable/custom_edittext"
                android:drawableLeft="@drawable/ic_baseline_person_24"
                android:drawablePadding="8dp"
                android:hint="Username"
                android:padding="8dp"
                android:textColor="@color/black"
                android:textColorHighlight="@color/cardview_dark_background"
                android:layout_marginTop="40dp"/>
```

```
53.              <EditText
54.                  android:layout_width="match_parent"
55.                  android:layout_height="50dp"
56.                  android:id="@+id/password"
57.                  android:background="@drawable/custom_edittext"
58.                  android:drawableLeft="@drawable/ic_baseline_lock_24"
59.                  android:drawablePadding="8dp"
60.                  android:hint="Password"
61.                  android:padding="8dp"
62.                  android:inputType="textPassword"
63.                  android:textColor="@color/black"
64.                  android:textColorHighlight="@color/cardview_dark_background"
65.                  android:layout_marginTop="20dp"/>
66.
67.              <Button
68.                  android:layout_width="match_parent"
69.                  android:layout_height="60dp"
70.                  android:id="@+id/loginButton"
71.                  android:text="Login"
72.                  android:textSize="18sp"
73.                  android:layout_marginTop="30dp"
74.                  android:backgroundTint="@color/purple"
75.                  app:cornerRadius = "20dp"/>
76.
77.          </LinearLayout>
78.
79.      </androidx.cardview.widget.CardView>
80.
81.      <TextView
82.          android:layout_width="wrap_content"
83.          android:layout_height="wrap_content"
84.          android:padding="8dp"
85.          android:text="Not yet registered? SignUp Now"
86.          android:textSize="14sp"
87.          android:textAlignment="center"
88.          android:id="@+id/signupText"
89.          android:textColor="@color/purple"
90.          android:layout_marginBottom="20dp"/>
91.
92.  </LinearLayout>
```

Step 5: Type the below code in MainActivity.java

There is a button named as loginButton on which we have set an onClickListener and in that, we have written the below logic.

```
1.   package com.example.loginscreen;
2.
3.   import androidx.appcompat.app.AppCompatActivity;
4.
5.   import android.os.Bundle;
6.   import android.view.View;
7.   import android.widget.Button;
8.   import android.widget.EditText;
9.   import android.widget.Toast;
10.
11.  public class MainActivity extends AppCompatActivity {
12.
13.      EditText username;
14.      EditText password;
15.      Button loginButton;
16.
17.
18.      @Override
19.      protected void onCreate(Bundle savedInstanceState) {
20.          super.onCreate(savedInstanceState);
21.          setContentView(R.layout.activity_main);
22.
23.          username = findViewById(R.id.username);
24.          password = findViewById(R.id.password);
25.          loginButton = findViewById(R.id.loginButton);
26.
27.          loginButton.setOnClickListener(new View.OnClickListener() {
28.              @Override
29.              public void onClick(View view) {
30.                  if (username.getText().toString().equals("user") && password.getText().toString().equals("1234")) {
31.                      Toast.makeText(MainActivity.this, "Login Successful!", Toast.LENGTH_SHORT).show();
32.                  } else {
33.                      Toast.makeText(MainActivity.this, "Login Failed!", Toast.LENGTH_SHORT).show();
34.                  }
35.              }
36.          });
37.      }
38.  }
```

OUTPUT….