PROGRAM:

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
  xmlns:tools="http://schemas.android.com/tools">
    <application
       android:allowBackup="true"
       android:icon="@mipmap/ic launcher"
       android:label="@string/app name"
       android:roundIcon="@mipmap/ic launcher round"
       android:supportsRtl="true"
       android:theme="@style/Theme.Login">
       <activity android:name=".MainActivity"
         android:exported="true">
         <intent-filter>
           <action android:name="android.intent.action.MAIN" />
           <category android:name="android.intent.category.LAUNCHER" />
         </intent-filter>
       </activity>
       <meta-data
         android:name="preloaded fonts"
         android:resource="@array/preloaded fonts"/>
    </application>
  </manifest>
Activity main.xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  xmlns:app="http://schemas.android.com/apk/res-auto"
  android:id="@+id/textview"
  android:layout width="match parent"
  android:layout height="match parent"
  android:padding="16dp">
  <EditText
    android:id="@+id/username"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout alignParentStart="true"
    android:layout alignParentTop="true"
    android:layout marginStart="12dp"
    android:layout marginTop="201dp"
    android:hint="Username"
    android:inputType="text" />
  <EditText
    android:id="@+id/password"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout below="@id/username"
    android:layout alignParentEnd="true"
    android:layout marginTop="52dp"
    android:layout marginEnd="7dp"
    android:hint="Password"
    android:inputType="textPassword" />
  <Button
    android:id="@+id/login button"
```

```
android:layout width="match parent"
    android:layout height="wrap content"
    android:layout below="@id/password"
    android:layout alignParentEnd="true"
    android:layout marginTop="71dp"
    android:layout marginEnd="9dp"
    android:backgroundTint="#4CAF50"
    android:text="Login"
    android:textColor="#0F0E0E"
    android:textSize="24sp" />
  <TextView
    android:id="@+id/textView"
    android:layout width="188dp"
    android:layout height="57dp"
    android:layout alignParentStart="true"
    android:layout alignParentTop="true"
    android:layout marginStart="111dp"
    android:layout marginTop="73dp"
    android:background="#67EDED"
    android:fontFamily="sans-serif-medium"
    android:text="Login Page"
    android:textColor="#1B1818"
    android:textSize="34sp"/>
</RelativeLayout>
MainActivity.java
package com.example.login;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    EditText usernameEditText = findViewById(R.id.username);
    EditText passwordEditText = findViewById(R.id.password);
    Button loginButton = findViewById(R.id.login_button);
    loginButton.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        String username = usernameEditText.getText().toString();
        String password = passwordEditText.getText().toString();
         if (!username.isEmpty() && !password.isEmpty()) {
          if (username.equals("admin") && password.equals("password")) {
            Toast.makeText(MainActivity.this, "Login Successful", Toast.LENGTH_SHORT).show();
          } else {
            Toast.makeText(MainActivity.this, "Invalid Credentials", Toast.LENGTH SHORT).show();
          } } else { Toast.makeText(MainActivity.this, "Please enter username and password",
Toast.LENGTH_SHORT).show();}}});}}
```

OUTPUT:

