MANIFEST CODE:

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.logintap"**>  
  
 <**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.LoginTap"**>  
 <**activity android:name=".MainActivity2"  
 android:label = "Main Activity 2"  
 android:parentActivityName=".MainActivity"**>  
 <**meta-data  
 android:name="parent.support.PARENT\_ACTIVITY"  
 android:value=".MainActiity"**/>  
 </**activity**>  
  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
  
 </**application**>  
  
</**manifest**>

LAYOUT XML:

Activity 1

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout 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=".MainActivity"**>  
  
  
 <**TextView  
 android:id="@+id/header"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="158dp"  
 android:layout\_marginTop="88dp"  
 android:layout\_marginEnd="165dp"  
 android:text="@string/welcome\_user"  
 android:textColor="@color/teal\_700"  
 android:textSize="30sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.466"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/user\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="78dp"  
 android:layout\_marginTop="192dp"  
 android:layout\_marginEnd="275dp"  
 android:text="@string/username"  
 android:textColor="@android:color/holo\_orange\_dark"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.09"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/user\_input"  
 android:layout\_width="318dp"  
 android:layout\_height="39dp"  
 android:layout\_marginStart="77dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:textSize="20sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/user\_name"** />  
  
 <**TextView  
 android:id="@+id/passwd"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="76dp"  
 android:layout\_marginTop="36dp"  
 android:text="@string/password"  
 android:textColor="@android:color/holo\_orange\_dark"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/user\_input"** />  
  
 <**EditText  
 android:id="@+id/pass\_input"  
 android:layout\_width="318dp"  
 android:layout\_height="39dp"  
 android:layout\_marginStart="77dp"  
 android:layout\_marginTop="32dp"  
 android:layout\_marginEnd="16dp"  
 android:importantForAutofill="no"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/passwd"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="79dp"  
 android:layout\_marginTop="36dp"  
 android:layout\_marginEnd="216dp"  
 android:text="@string/submit"  
 android:textColor="@android:color/black"  
 android:textSize="20sp"  
 app:backgroundTint="@color/purple\_200"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/pass\_input"** />  
  
 <**TextView  
 android:id="@+id/message"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="79dp"  
 android:layout\_marginTop="45dp"  
 android:layout\_marginEnd="79dp"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/button"  
 app:layout\_constraintTop\_toBottomOf="@+id/pass\_input"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Activity 2:

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout 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=".MainActivity"**>  
  
  
 <**TextView  
 android:id="@+id/header"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="158dp"  
 android:layout\_marginTop="88dp"  
 android:layout\_marginEnd="165dp"  
 android:text="@string/welcome\_user"  
 android:textColor="@color/teal\_700"  
 android:textSize="30sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.466"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/user\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="78dp"  
 android:layout\_marginTop="192dp"  
 android:layout\_marginEnd="275dp"  
 android:text="@string/username"  
 android:textColor="@android:color/holo\_orange\_dark"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.09"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/user\_input"  
 android:layout\_width="318dp"  
 android:layout\_height="39dp"  
 android:layout\_marginStart="77dp"  
 android:layout\_marginTop="20dp"  
 android:autofillHints=""  
 android:textSize="20sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/user\_name"** />  
  
 <**TextView  
 android:id="@+id/passwd"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="76dp"  
 android:layout\_marginTop="36dp"  
 android:text="@string/password"  
 android:textColor="@android:color/holo\_orange\_dark"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/user\_input"** />  
  
 <**EditText  
 android:id="@+id/pass\_input"  
 android:layout\_width="318dp"  
 android:layout\_height="39dp"  
 android:layout\_marginStart="77dp"  
 android:layout\_marginTop="32dp"  
 android:layout\_marginEnd="16dp"  
 android:importantForAutofill="no"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/passwd"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="79dp"  
 android:layout\_marginTop="36dp"  
 android:layout\_marginEnd="216dp"  
 android:text="@string/submit"  
 android:textColor="@android:color/black"  
 android:textSize="20sp"  
 app:backgroundTint="@color/purple\_200"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/pass\_input"** />  
  
 <**TextView  
 android:id="@+id/message"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="79dp"  
 android:layout\_marginTop="45dp"  
 android:layout\_marginEnd="79dp"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/button"  
 app:layout\_constraintTop\_toBottomOf="@+id/pass\_input"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

JAVA CODE:

Activity 1:

**package** com.example.logintap;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 **private** EditText **mEdit**, **pEdit**;  
 **private** Button **loginButton**;  
 TextView **t**;  
 **int count** = 5;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **mEdit** = (EditText)findViewById(R.id.***user\_input***);  
 **pEdit** = (EditText)findViewById(R.id.***pass\_input***);  
 **loginButton** = (Button)findViewById(R.id.***button***);  
 **t** = (TextView)findViewById(R.id.***message***);  
 **t**.setVisibility(View.***GONE***);  
  
 **loginButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if**(**mEdit**.getText().toString().equals(**"admin"**) &&  
 **pEdit**.getText().toString().equals(**"12345"**)) {  
 Toast.*makeText*(getApplicationContext(), **"Congrats, you hit the mark"**, Toast.***LENGTH\_SHORT***).show();  
 openSecondActivity();  
 }  
 **else** {  
 Toast.*makeText*(getApplicationContext(),**"Wrong Input Buddy.."**, Toast.***LENGTH\_SHORT***).show();  
 **t**.setVisibility(View.***VISIBLE***);  
 **count**--;  
 **t**.setText(Integer.*toString*(**count**));  
  
 **if**(**count** == 0){  
 **loginButton**.setEnabled(**false**);  
 }  
 }  
 }  
 });  
  
 }  
  
 **private void** openSecondActivity() {  
 Intent intent = **new** Intent(**this**, MainActivity2.**class**);  
 startActivity(intent);  
 }  
}

Activity 2:

**package** com.example.logintap;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.app.Notification;  
**import** android.content.ActivityNotFoundException;  
**import** android.content.Intent;  
**import** android.location.Location;  
**import** android.location.LocationManager;  
**import** android.net.Uri;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.ImageButton;  
**import** android.widget.Toast;  
  
**public class** MainActivity2 **extends** AppCompatActivity {  
 **private** ImageButton **lButton**, **sButton**, **cButton**, **mButton**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 **sButton** = (ImageButton)findViewById(R.id.***site\_button***);  
 **lButton** = (ImageButton)findViewById(R.id.***locate***);  
 **cButton** = (ImageButton)findViewById(R.id.***call\_button***);  
 **mButton** = (ImageButton)findViewById(R.id.***mail\_button***);  
  
 LocationManager location;  
  
 **sButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Uri uri = Uri.*parse*( **"http://newtreat.co.in/"**);  
  
 Intent i = **new** Intent(Intent.***ACTION\_VIEW***, uri);  
 startActivity(i);  
 }  
 });  
  
 **lButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(Intent.***ACTION\_VIEW***, Uri.*parse*(**"geo:0,0?q=\" + \"12.929951,77.609036"**));  
 startActivity(i);  
 }  
 });  
  
 **cButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(Intent.***ACTION\_DIAL***, Uri.*parse*(**"tel:"** + **"9158640715"**));  
 startActivity(i);  
 }  
 });  
  
 **mButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String mailto = **"mailto:riya.gurbani@mca.christuniversity.in"** +  
 **"?cc="** +  
 **"&subject="** + Uri.*encode*(**"Hello!!!"**) +  
 **"&body="** + Uri.*encode*(**"\"Good Morning !, This is a test email sent through the emulator APP\""**);  
 Intent eI = **new** Intent(Intent.***ACTION\_SENDTO***);  
 eI.setData(Uri.*parse*(mailto));  
  
 **try** {  
 startActivity(eI);  
 } **catch** (ActivityNotFoundException e) {  
 Toast.*makeText*(getApplicationContext(),**"Error opening the mail"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
 });  
  
 }  
}

SCREENSHOTS:



