

Create an android application demonstrating Toast, Intent etc.

- **activity_main.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"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_margin="20dp"
    android:background="@drawable/img_1"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/edittext_name_xml"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:textSize="25dp"
        android:hint="Name" />

    <EditText
        android:id="@+id/edittext_email_xml"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:textSize="25dp"
        android:hint="Email"
        android:inputType="textEmailAddress" />

    <EditText
        android:id="@+id/edittext_phone_xml"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Phone"
        android:textSize="25dp"
        android:inputType="phone" />
```



```
<EditText
    android:id="@+id/edittext_password_xml"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:hint="Password"
    android:textSize="25dp"
    android:inputType="textPassword" />

<Button
    android:id="@+id/btn_login_xml"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Login 🔑" />
</LinearLayout>
```

- **MainActivity.java**

```
package com.example.intentapplication;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {
    private EditText txt_name, txt_email, txt_password, txt_phone;
    private Button button_login;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
```



```
        setContentView(R.layout.activity_main);

// Initialize views
txt_name = findViewById(R.id.edittext_name_xml);
txt_email = findViewById(R.id.edittext_email_xml);
txt_phone = findViewById(R.id.edittext_phone_xml);
txt_password = findViewById(R.id.edittext_password_xml);
button_login = findViewById(R.id.btn_login_xml);

// Apply window insets for edge-to-edge experience
ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
    Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
    v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
    return insets;
});

// Set button click listener
button_login.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String name_first = txt_name.getText().toString();
        String email_first = txt_email.getText().toString();
        String phone_first = txt_phone.getText().toString();
        String password_first = txt_password.getText().toString();

        Toast.makeText(MainActivity.this, "Kochi is Loading....", Toast.LENGTH_SHORT).show();

        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent intent = new Intent(MainActivity.this, display.class);
                intent.putExtra("name_intent", name_first);
                intent.putExtra("email_intent", email_first);
                intent.putExtra("phone_intent", phone_first);
                intent.putExtra("password_intent", password_first);
                startActivity(intent);
            }
        }, 2000);
    }
});
}
```



- **activity_display.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"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_margin="25dp"
    android:layout_height="match_parent"
    tools:context=".display">

    <TextView
        android:id="@+id/textview_name_xml"
        android:layout_width="match_parent"
        android:layout_height="36dp"
        android:textSize="25dp"
        android:textStyle="bold"
        android:text="Name:" />

    <TextView
        android:id="@+id/textview_email_xml"
        android:layout_width="match_parent"
        android:layout_height="36dp"
        android:text="Email:"
        android:textSize="25dp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/textview_phone_xml"
        android:layout_width="match_parent"
        android:layout_height="36dp"
        android:text="Phone:"
        android:textSize="25dp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/textview_password_xml"
        android:layout_width="match_parent"
        android:layout_height="36dp"
        android:text="Password:"
        android:textSize="25dp"
```



```
        android:textStyle="bold" />
```

```
<Button
    android:id="@+id/btn_back_xml"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Back" />
</LinearLayout>
```

- **display.java**

```
package com.example.intentapplication;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class display extends AppCompatActivity {

    private TextView txt_name, txt_email, txt_password, txt_phone;
    private Button button_back;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_display);

        // Initialize views
        txt_name = findViewById(R.id.textview_name_xml);
        txt_email = findViewById(R.id.textview_email_xml);
        txt_phone = findViewById(R.id.textview_phone_xml);
        txt_password = findViewById(R.id.textview_password_xml);
        button_back = findViewById(R.id.btn_back_xml);
```



```
// Apply window insets for edge-to-edge experience
ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
    Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
    v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
    return insets;
});

// Get the intent data
String name_second = getIntent().getStringExtra("name_intent");
String email_second = getIntent().getStringExtra("email_intent");
String phone_second = getIntent().getStringExtra("phone_intent");
String password_second = getIntent().getStringExtra("password_intent");

// Set the text views with the received data
txt_name.setText("Name: " + name_second);
txt_email.setText("Email: " + email_second);
txt_phone.setText("Phone: " + phone_second);
txt_password.setText("Password: " + password_second);

// Set the button click listener
button_back.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // Clear text views
        txt_name.setText("Name:");
        txt_email.setText("Email:");
        txt_phone.setText("Phone:");
        txt_password.setText("Password:");

        // Navigate back to MainActivity
        Intent intent = new Intent(display.this, MainActivity.class);
        startActivity(intent);
        finish();
    }
});
}
```



- **Output: -**

A vertical rectangular mockup of a login screen. It has a light pink header area. Below the header, there are four input fields with a light yellow background and a thin pink border. The first field contains the text "KOCHI", the second "kochi@gmail.com", the third "8509051230", and the fourth contains three dots "...". Below these fields is a purple rounded rectangular button with the text "Login" in white and a small yellow key icon. At the bottom of the screen, there is a white rounded rectangular button with the text "Kochi is Loading...." in black.A vertical rectangular mockup of a user profile screen. It has a light purple header area. Below the header, there are four lines of text in black: "Name: KOCHI", "Email: kochi@gmail.com", "Phone: 8509051230", and "Password: 123". Below the text is a purple rounded rectangular button with the text "Back" in white.