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Sub: Mobile application devalopment

### **Assignment 4**

**Aim :** Create sample application with login module. (Check username and password) On successful login, Chnage TextView "Login Sucessful". And on failing login, alert user using Toast "Login fail".

#### > .XML code

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:paddingLeft="30dp"
    android:paddingRight="30dp"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="TY IT-B"
        android:layout_centerHorizontal="true"
        android:textAlignment="center"
        android:textSize="40dp"
        android:id="@+id/text1"
        android:textColor="#1E88E5"></TextView>
    < ImageView
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:src="@drawable/ic_baseline_supervised_user_circle_24"
        android:layout_below="@+id/text1"
        android:layout_centerHorizontal="true"
        android:layout marginTop="50dp"
        android:id="@+id/image1"></ImageView>
    <EditText
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/image1"
        android:hint="Username"
        android:layout marginTop="50dp"
        android:id="@+id/username"
```

```
android:drawableLeft="@drawable/ic baseline tag faces 24"
       android:drawablePadding="20dp"></EditText>
    <EditText
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:hint="Password"
       android:layout below="@+id/username"
       android:layout_marginTop="30dp"
       android:id="@+id/password"
       android:drawableLeft="@drawable/ic_baseline_control_point_24"
       android:drawablePadding="20dp"></EditText>
    <Button
       android:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:text="Login"
       android:textSize="25dp"
       android:textStyle="bold"
       android:textColor="#FFF"
       android:background="#064788"
       android:layout_below="@+id/password"
       android:layout marginTop="45dp"
       android:id="@+id/login"
       android:layout_centerHorizontal="true"></Button>
    <TextView
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:id="@+id/text2"
       android:layout marginTop="50dp"
       android:layout_below="@id/login"
       android:visibility="invisible"
       android:layout_centerHorizontal="true"></TextView>
</RelativeLayout>
```

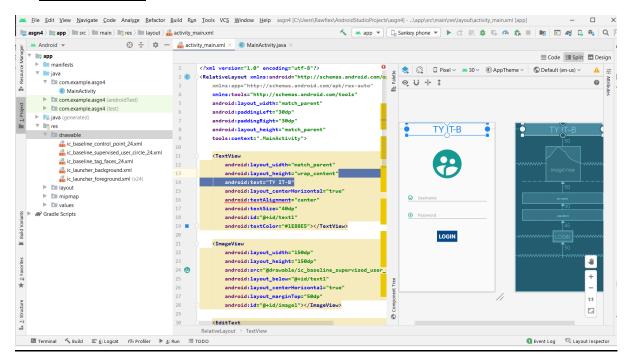
### Java code

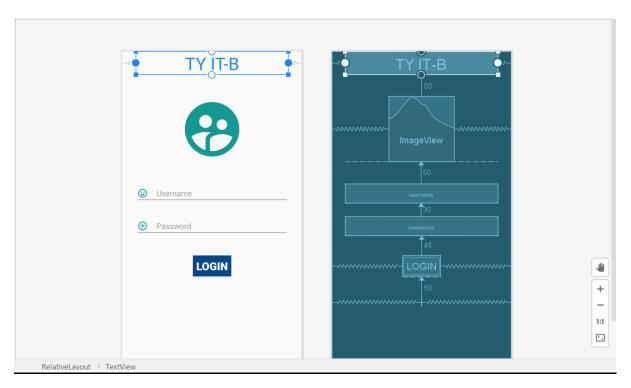
```
package com.example.asgn4;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

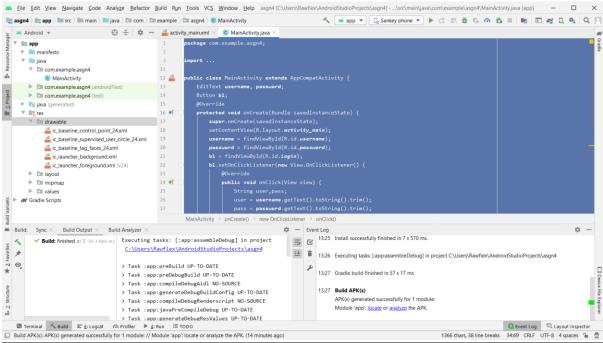
public class MainActivity extends AppCompatActivity {
    EditText username, password;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
}
```

```
setContentView(R.layout.activity_main);
        username = findViewById(R.id.username);
        password = findViewById(R.id.password);
        b1 = findViewById(R.id.login);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String user, pass;
                user = username.getText().toString().trim();
                pass = password.getText().toString().trim();
                if(user.equals("SANKET") && pass.equals("12345")){
                    TextView text2 = findViewById(R.id.text2);
                    text2.setText("Login Successful");
                    text2.setVisibility(View.VISIBLE);
                }
                else{
                    Toast.makeText(MainActivity.this, "Login Failed.",
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
```

#### Screenshots







## asgn4

# TY IT-B



- SANKE
- 12345

LOGIN

Login Failed.

## asgn4

## TY IT-B



- SANKET
- 12345

LOGIN

Login Successful