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Sub : Mobile application development

Assignment 4

Aim : Create sample application with login module.(Check username and password) On successful login, Change TextView "Login Successful". 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"
    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);
    }
}

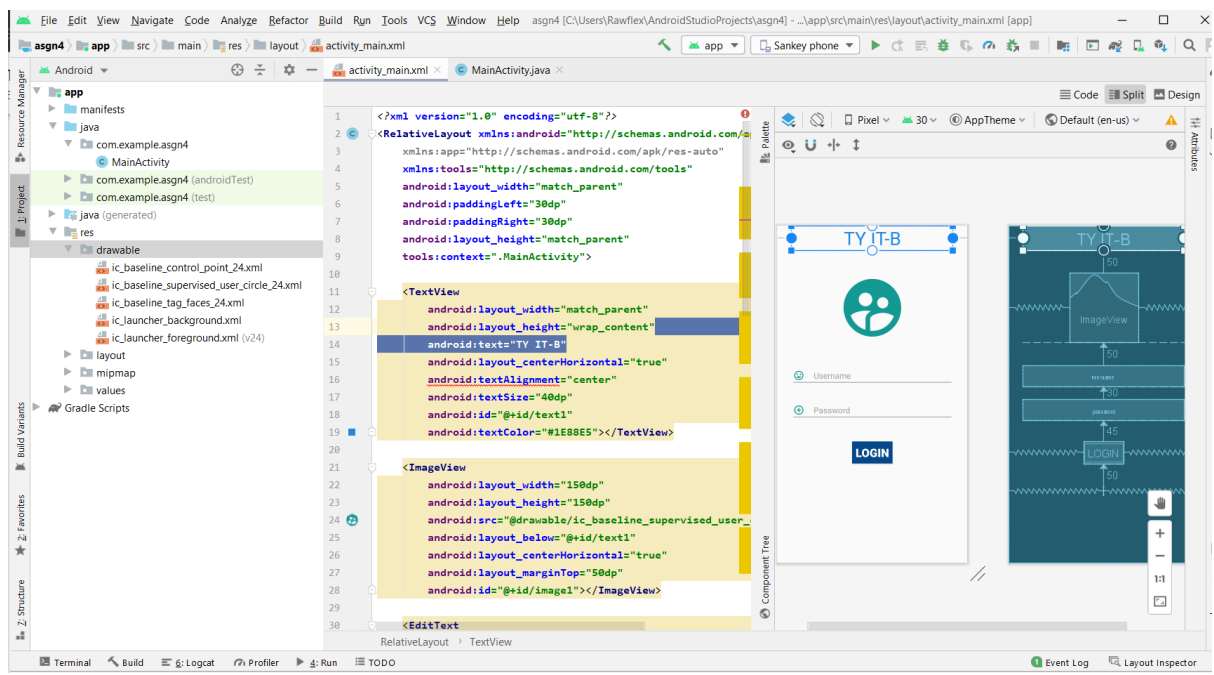
```

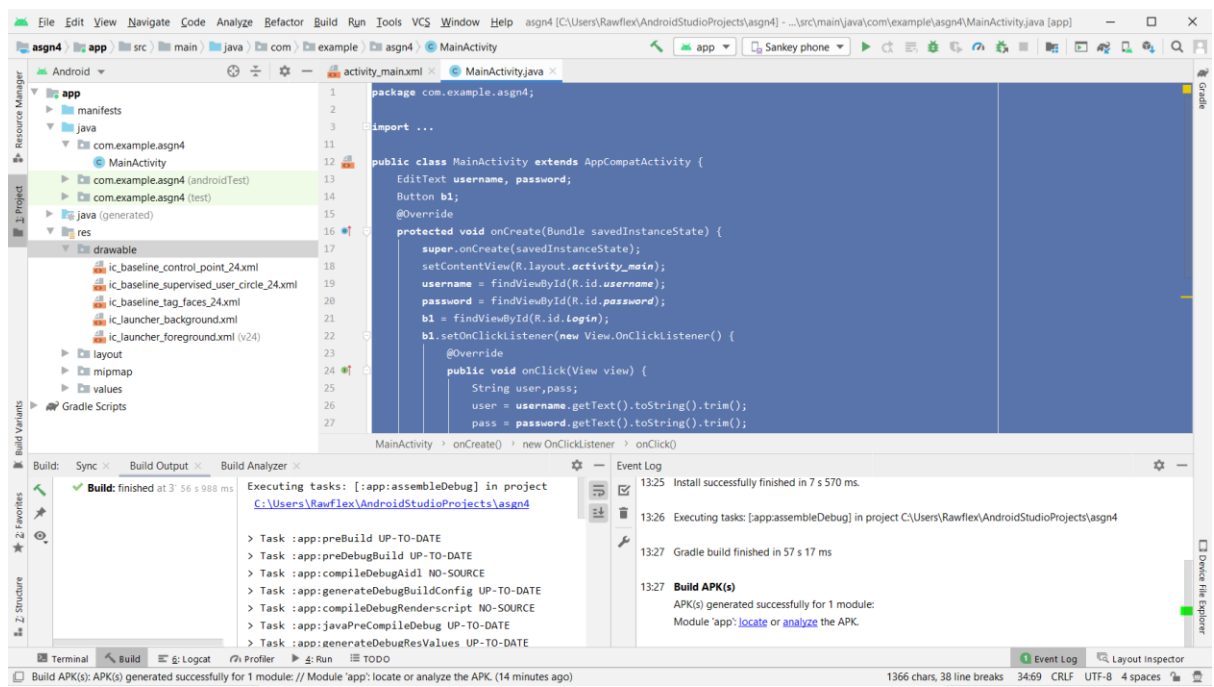
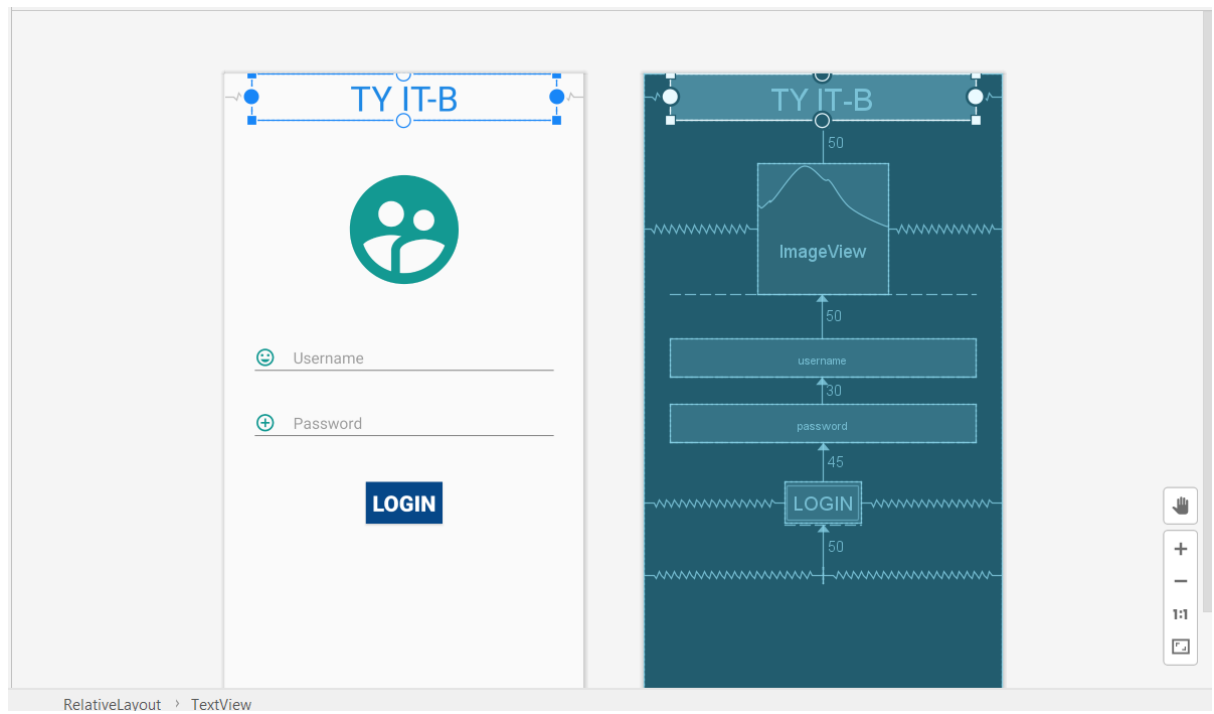
```

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





13:43

4G+ 20

asgn4

TY IT-B



SANKE



12345

LOGIN

Login Failed.

13:43

4G+ 20

asgn4

TY IT-B



SANKET



12345

LOGIN

Login Successful