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Sub : Mobile Application Development

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## Assignment 5

**Aim :** Create login application where you will have to validate username and passwords Till the username and password is not validated , login button should remain disabled.

### >> .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_marginRight="20dp"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="20dp"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="TY IT B"
        android:textSize="40dp"
        android:textColor="#03A9F4"
        android:layout_centerHorizontal="true"
        android:id="@+id/text1" />

    <ImageView
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:src="@drawable/ic_baseline_account_circle_24"
        android:layout_centerHorizontal="true"
        android:layout_below="@+id/text1"
        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:drawableLeft="@drawable/ic_baseline_add_circle_24"
```

```

        android:layout_marginTop="50dp"
        android:singleLine="true"
        android:id="@+id/username"
    ></EditText>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/username"
        android:id="@+id/password"
        android:hint="Password"
        android:password="true"
        android:singleLine="true"
        android:drawableLeft="@drawable/ic_baseline_lock_24"
        android:layout_marginTop="10dp"
    ></EditText>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_below="@+id/password"
        android:layout_marginTop="40dp"
        android:id="@+id/login"
        android:text="Login"
        android:textSize="20dp"
        android:textColor="@color/white"
        android:background="#168F1B"
        android:enabled="false"
    ></Button>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/tt2"
        android:visibility="invisible"
        android:layout_marginTop="50dp"
        android:layout_below="@+id/login"
        android:layout_centerHorizontal="true"
    ></TextView>

</RelativeLayout>

```

## .java CODE

```

package com.example.vish;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.textEditable;
import android.text.TextWatcher;
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 user,pass;
    Button b1;
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        user = (EditText)findViewById(R.id.username);
        pass = (EditText)findViewById(R.id.password);
        b1= (Button)findViewById(R.id.Login);
        t1= (TextView)findViewById(R.id.tt2);
        b1.setEnabled(false);

        user.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence charSequence, int i, int
i1, int i2) {

            }

            @Override
            public void onTextChanged(CharSequence charSequence, int i, int i1,
int i2) {
                String str_username=user.getText().toString();
                String str_password=pass.getText().toString();

                if(str_username.equals("user") && str_password.equals("123456"))
                {
                    b1.setEnabled(true);
                }
                else
                {
                    b1.setEnabled(false);
                }
            }

            @Override
            public void afterTextChanged(Editable editable) {

            }

        });

        pass.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence charSequence, int i, int
i1, int i2) {

            }

            @Override
            public void onTextChanged(CharSequence charSequence, int i, int i1,
int i2) {
                String str_username=user.getText().toString();
                String str_password=pass.getText().toString();

```

```

        if(str_username.equals("Sanket") && str_password.equals("123"))
        {
            b1.setEnabled(true);
        }
        else
        {
            b1.setEnabled(false);
        }
    }

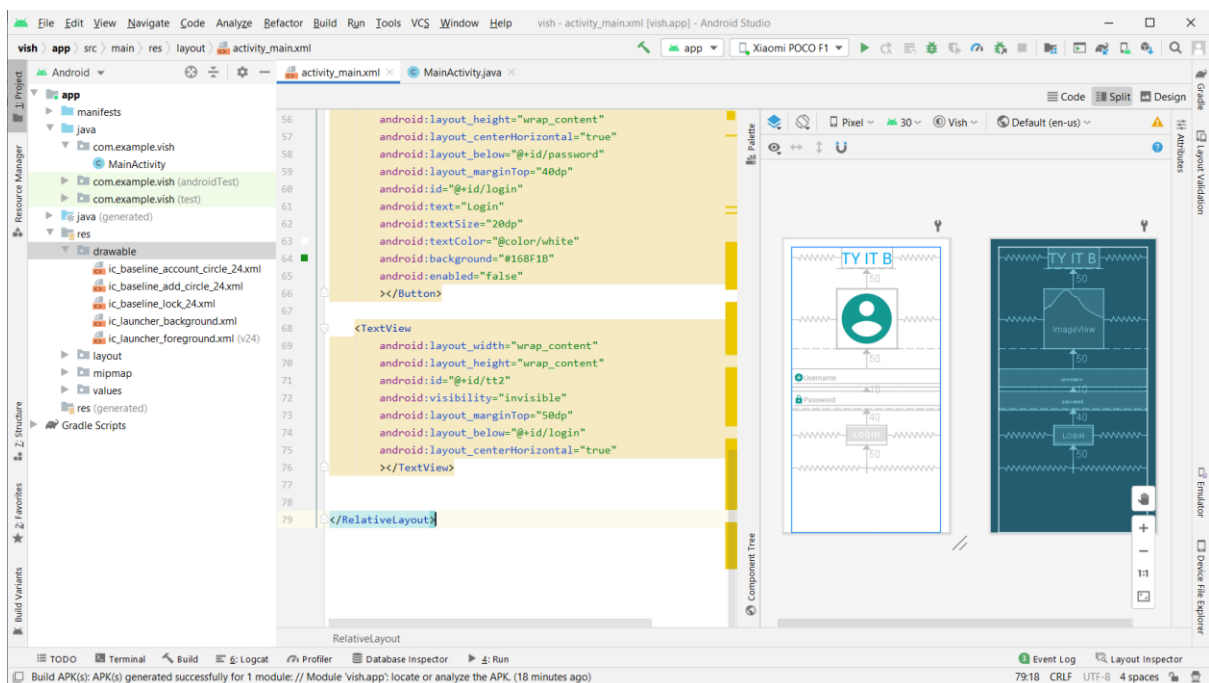
    @Override
    public void afterTextChanged(Editable editable) {

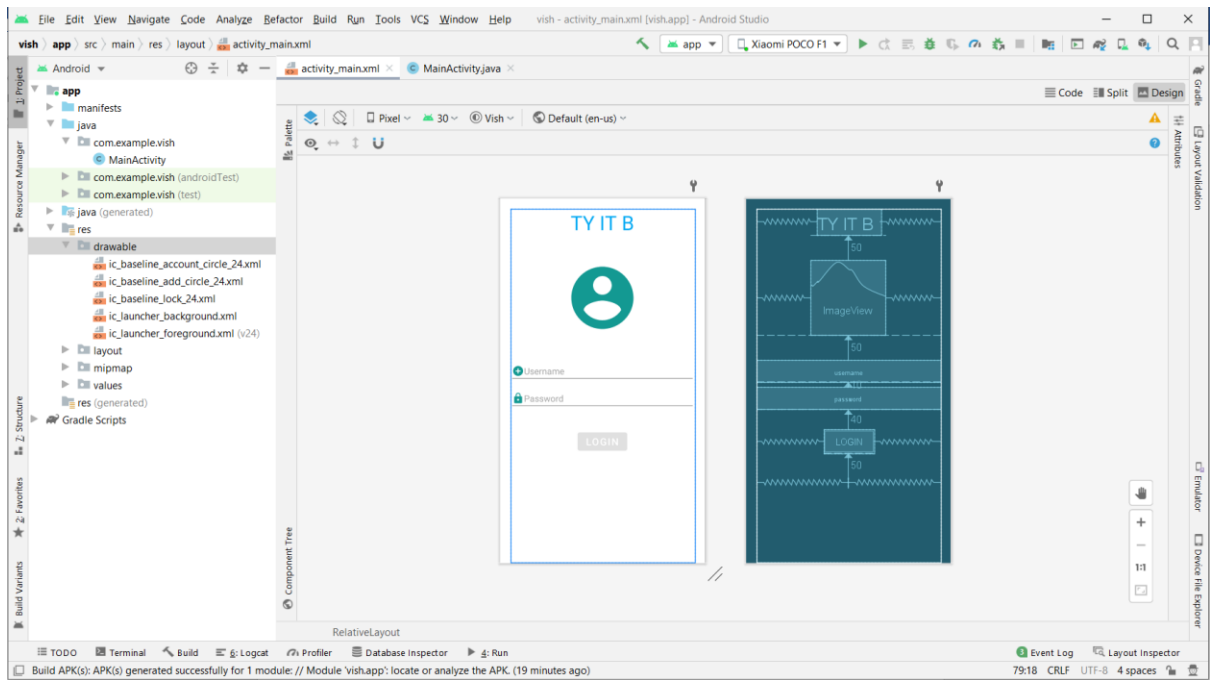
    }

});
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        t1.setText("Login Successful");
        t1.setVisibility(View.VISIBLE);
        Toast.makeText(MainActivity.this, "login Successful",
        Toast.LENGTH_SHORT).show();
    }
});
}
}
}

```

## SCREENSHOTS :





16:13

4G+ 99%

vish

TY IT B



+ Sanket



LOGIN

login Successful

16:13

4G+ 99

vish

TY IT B



+ Sanket

🔒 Password

LOGIN

