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Sub : Mobile Application Development

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## Assignment 6.1

**Aim :** Create login application as above. Validate login data and display error to user using setError() method.

### .XML Code

```
<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:layout_marginLeft="25dp"
    android:layout_marginRight="25dp"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="VIIT LOGIN"
        android:textSize="50dp"
        android:layout_centerHorizontal="true"
        android:id="@+id/text1"
        android:textColor="#134170"
        android:layout_marginTop="20dp"
        android:fontFamily="sans-serif"
        android:textStyle="bold"></TextView>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Username"
        android:id="@+id/username"
        android:layout_below="@+id/text1"
        android:layout_centerHorizontal="true"
        android:layout_marginLeft="40dp"
        android:layout_marginRight="40dp"
        android:singleLine="true"
        android:drawableLeft="@drawable/ic_baseline_account_box_24"
        android:drawablePadding="20dp"
        android:inputType="text"
        android:layout_marginTop="150dp"></EditText>

    <EditText
        android:layout_width="match_parent"
```

```

        android:layout_height="wrap_content"
        android:id="@+id/password"
        android:layout_below="@+id/username"
        android:hint="Password"
        android:password="true"
        android:drawableLeft="@drawable/ic_baseline_lock_open_24"
        android:layout_marginLeft="40dp"
        android:layout_marginRight="40dp"
        android:drawablePadding="25dp"
        android:layout_marginTop="10dp"></EditText>

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/login"
    android:layout_below="@+id/password"
    android:layout_centerHorizontal="true"
    android:text="Login"
    android:layout_marginTop="25dp"></Button>

</RelativeLayout>

```

## .JAVA Code

```

package com.example.asgn61;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    EditText user, pass;
    Button b1;
    String user1, pass1;

    @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);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                user1 = user.getText().toString().trim();
                pass1 = pass.getText().toString().trim();
                if (user1.length() == 0) {
                    user.setError("This field cannot be empty");
                    user.requestFocus();
                }
            }
        });
    }
}

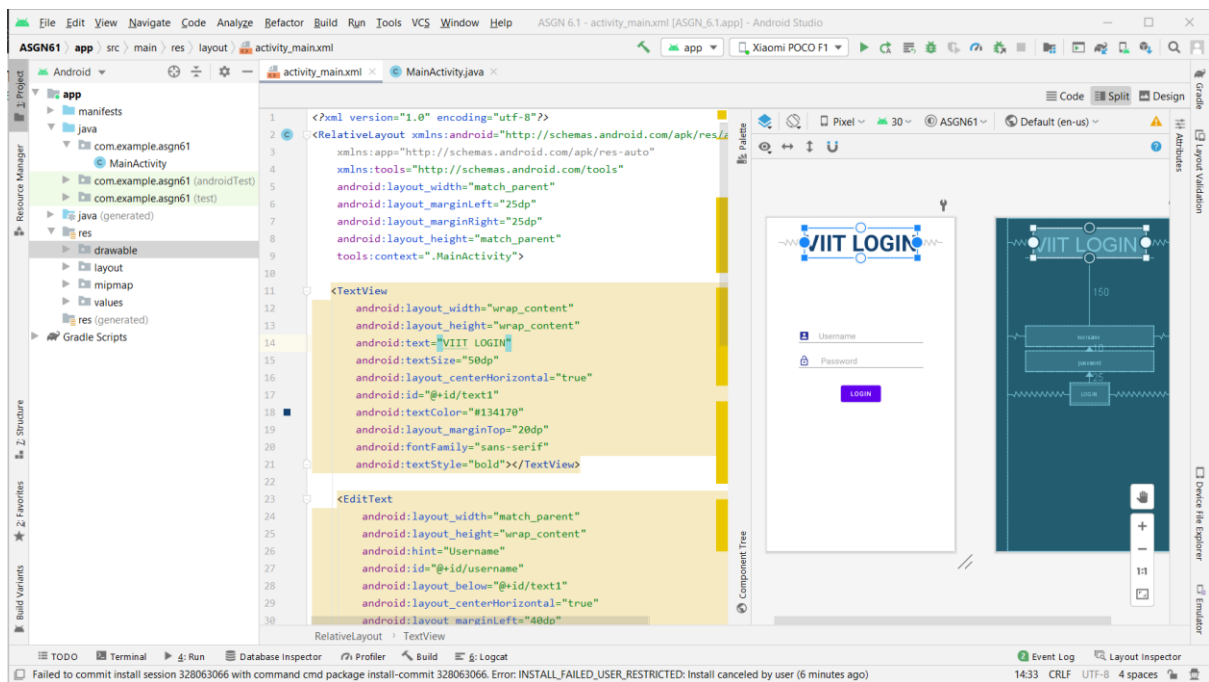
```

```

    } else if (pass1.length() == 0) {
        pass.setError("This field cannot be empty");
        pass.requestFocus();
    } else {
        if (user1.equals("Sanket") && pass1.equals("12345")) {
            Toast.makeText(MainActivity.this, "Login Successful",
Toast.LENGTH_SHORT).show();
        }
        else {
            Toast.makeText(MainActivity.this, "Login Unsuccessful",
Toast.LENGTH_SHORT).show();
        }
    }
}
});
}
}
}

```

## SCREENSHOTS



23:02

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ASGN 6.1

# VIIT LOGIN



Username



Password

This field cannot be empty

LOGIN



GIF



q<sup>1</sup> w<sup>2</sup> e<sup>3</sup> r<sup>4</sup> t<sup>5</sup> y<sup>6</sup> u<sup>7</sup> i<sup>8</sup> o<sup>9</sup> p<sup>0</sup>

a s d f g h j k l



z

x

c

v

b

n

m



?123

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