## Practical 27

1. Write a Program to create a Login Form. Disable the login button until the user enters correct username and password.

## 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:layout_height="match_parent"
  tools:context=".MainActivity">
  <TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="20dp"
    android:text="LOG IN"
    android:textColor="@color/black"
    android:textSize="45dp"
    android:textStyle="bold" />
  <TextView
    android:id="@+id/tv1"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="30dp"
    android:layout_marginTop="120dp"
    android:text="Username: "
    android:textColor="@color/black"
    android:textSize="25dp"
    android:textStyle="bold" />
  <EditText
    android:layout_width="350dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/tv1"
    android:layout_alignLeft="@+id/tv1"
    android:layout_marginTop="20dp"
    android:id="@+id/uname"/>
  <TextView
    android:id="@+id/tv2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/uname"
    android:layout_alignLeft="@+id/tv1"
    android:layout_marginTop="50dp"
    android:text="Password: "
    android:textColor="@color/black"
```

android:textSize="25dp"

```
Roll no: 19406
Name: Aditya Choudhary
                                                                                   MAD Experiments
    android:textStyle="bold" />
  <EditText
    android:layout_width="350dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/tv2"
    android:layout_alignLeft="@+id/tv1"
    android:layout_marginTop="20dp"
    android:id="@+id/pass"/>
  <Button
    android:id="@+id/login"
    android:layout width="200dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout centerHorizontal="true"
    android:layout_marginBottom="80dp"
    android:backgroundTint="@color/black"
    android:enabled="false"
    android:padding="15dp"
    android:text="login"
    android:textColor="@color/white"
    android:textSize="25dp"
    android:textStyle="bold" />
</RelativeLayout>
Java Code:
package com.example.exp27;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import\ and roid. telephony. Phone Number Formatting Text Watcher;
import android.text.Editable;
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 uname, pass;
  TextView tv4;
  Button login;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    uname=findViewById(R.id.uname);
    pass=findViewById(R.id.pass);
    login=findViewById(R.id.login);
    login.setEnabled(false);
    login.setVisibility(View.INVISIBLE);
    Toast.makeText(MainActivity.this, "Login button is Invisibe and disabled!!", Toast.LENGTH LONG).show();
    uname.addTextChangedListener(new TextWatcher() {
       @Override
       public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {
       @Override
```

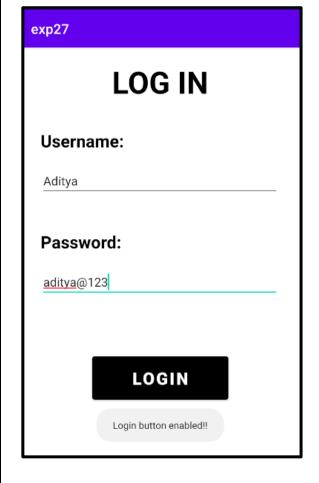
```
Name: Aditya Choudhary
                                                Roll no: 19406
                                                                                    MAD Experiments
       public void onTextChanged(CharSequence charSequence, int i, int i1, int i2) {
         if(uname.getText().toString().equals("Aditya")&&pass.getText().toString().equals("aditya@123"))
           Toast.makeText(MainActivity.this, "Login button enabled!!", Toast.LENGTH_SHORT).show();
           login.setVisibility(View.VISIBLE);
           login.setEnabled(true);
           login.setOnClickListener(new View.OnClickListener() {
              @Override
             public void onClick(View view) {
                Toast.makeText(MainActivity.this, "Login Successfull!!", Toast.LENGTH_SHORT).show();
           });
         }
       @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 on Text Changed (Char Sequence char Sequence, int i, int i1, int i2) {
         if(uname.getText().toString().equals("Aditya")&&pass.getText().toString().equals("aditya@123"))
           Toast.makeText(MainActivity.this, "Login button enabled!!", Toast.LENGTH_SHORT).show();
           login.setVisibility(View.VISIBLE);
           login.setEnabled(true);
           login.setOnClickListener(new View.OnClickListener() {
              @Override
             public void onClick(View view) {
                Toast.makeText(MainActivity.this, "Login Successfull!!", Toast.LENGTH_SHORT).show();
           });
         }
       @Override
       public void afterTextChanged(Editable editable) {
    });
```

Name : Aditya Choudhary Roll no : 19406 MAD Experiments

Output:

exp27
LOG IN
Username:
Password:
Login button is Invisibe and disabled!!
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exp27
LOG IN
Username:
Aditya
Password:
LOGIN
Login Successfull!!