

Experiment Number 27 (Exercise 1):

Write a program to create the login form and display login successful/ Unsuccessful toastmessage.

// Code for MainActivity.java file:

```
import static android.graphics.Color.GREEN;
import static android.graphics.Color.RED;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    EditText username;
    EditText password;
    TextView textView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        username = (EditText) findViewById(R.id.editText1);
        password = (EditText) findViewById(R.id.editText2);
        textView = findViewById(R.id.textview1);
    }

    public void login(View view) {
        if (username.getText().toString().equals("mad") && password.getText().toString().equals("mad")) {

            textView.setText("Login Successful");
            textView.setTextColor(GREEN);

        } else {
            Toast.makeText(this, "Login Fail", Toast.LENGTH_LONG).show();
            textView.setTextColor(RED);
            textView.setText("Press Login Button");
        }
    }
}
```

// Code for ActivityMain.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    android:background="#006064">

    <TextView
```

```
    android:layout_width = "wrap_content"
    android:layout_height = "wrap_content"
    android:layout_marginTop="30dp"
    android:textSize="25dp"
    android:paddingHorizontal="5dp"
    android:text="DEMO OF PrNo 27"
    android:textColor="#EFEAE6"
    android:textStyle="bold" />
```

```
<EditText
    android:id = "@+id/editText1"
    android:layout_width = "wrap_content"
    android:layout_height = "wrap_content"
    android:hint="Enter Username"
    android:background="@color/white"
    android:layout_marginTop="30dp"
    android:textSize="25dp"
    android:paddingHorizontal="5dp"/>
```

```
<EditText
    android:id = "@+id/editText2"
    android:layout_width = "wrap_content"
    android:layout_height = "wrap_content"
    android:inputType = "textPassword"
    android:hint="Enter Password"
    android:background="@color/white"
    android:layout_marginTop="30dp"
    android:textSize="25dp"
    android:paddingHorizontal="5dp"/>
```

```
<TextView
    android:id="@+id/textview1"
    android:layout_width = "wrap_content"
    android:layout_height = "wrap_content"
    android:layout_marginTop="10dp"
    android:textSize="25dp"
    android:paddingHorizontal="5dp"
    android:text="Preess Login Button"
    android:textColor="#FF5252"/>
```

```
<Button
    android:id = "@+id/button1"
    android:layout_width = "wrap_content"
    android:layout_height = "wrap_content"
    android:onClick = "login"
    android:text = "@string/Login"
    android:layout_marginTop="20dp"
    android:background="#64DD17"
    android:textAllCaps="false"
    android:textSize="20dp"/>
```

```
</LinearLayout>
```

Output:

