Exercise:

1. **Write program to create a login form for social networking site.**

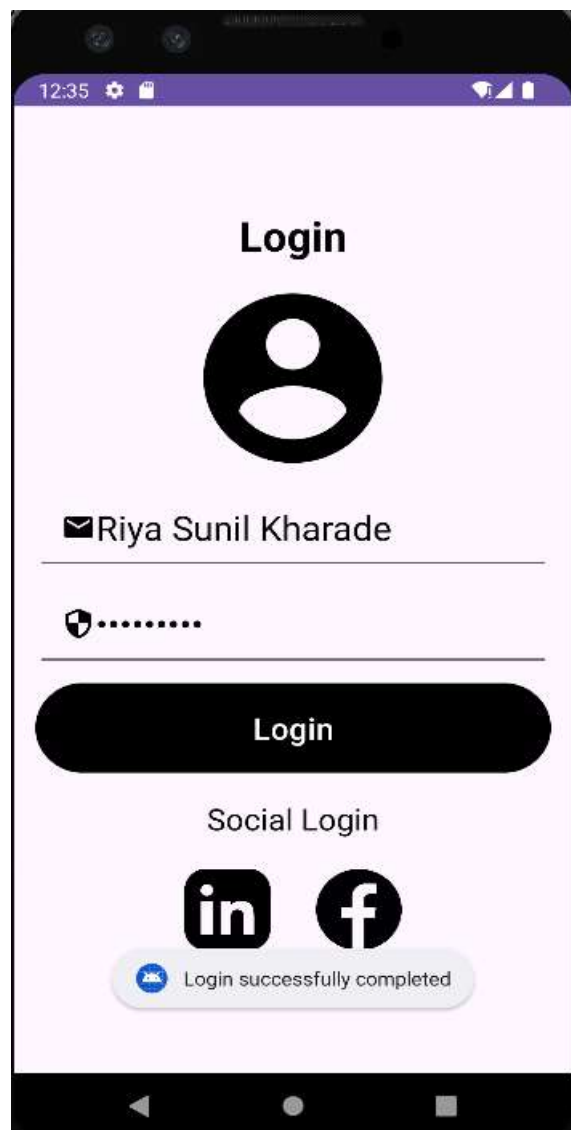- **activity_main.xml**

```xml
<?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.co
m/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:gravity="center"
android:padding="16dp"
tools:context=".MainActivity">
<LinearLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:gravity="center"
android:orientation="vertical">
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Login"
android:textStyle="bold"
android:textColor="@color/black"
android:textSize="30sp" />
<ImageView
android:layout_width="150dp"
android:layout_height="150dp"
android:layout_marginTop="10dp"
android:src="@drawable/icon_account_c
ircle" />
<EditText
android:id="@+id/username_input"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:hint="Username"
android:drawableLeft="@drawable/emai
l"        android:inputType="text"
android:padding="18dp"
android:textColor="@color/black"
android:textColorHint="@color/black"
android:textSize="25sp" />
<EditText
android:id="@+id/password_input"
android:layout_width="match_parent"
android:layout_height="wrap_content"
```

```xml
android:layout_marginTop="1dp"

android:drawableLeft="@drawable/pass
word"        android:hint="Password"
android:inputType="textPassword"
android:padding="18dp"
android:textColor="@color/black"
android:textColorHint="@color/black"
android:textSize="25sp" />
<Button   android:id="@+id/login_btn"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="5dp"
android:backgroundTint="@color/black
android:onClick="onLoginButtonClick"
android:padding="18dp"
android:text="Login"
android:textColor="@color/white"
android:textSize="22sp" />
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="15dp"
android:text="Social Login"
android:textColor="@color/black"
android:textSize="22sp" />
<LinearLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="6dp"
android:gravity="center"
android:orientation="horizontal">
<ImageView
android:id="@+id/linkedin_btn"
android:layout_width="60dp"
android:layout_height="60dp"
android:layout_margin="16dp"
android:src="@drawable/linkedin" />
<ImageView
android:id="@+id/fb_btn"
android:layout_width="60dp"
android:layout_height="60dp"
android:layout_margin="16dp"
android:src="@drawable/fb" />
</LinearLayout>
</LinearLayout>
</RelativeLayout>
```

- **acitivitymain.java**

```java
package com.example.pr10q1_socialnetworking;
import android.os.Bundle;
import android.view.View;
import android.widget.*;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    private EditText usernameInput, passwordInput;
    private Button loginButton;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        usernameInput = findViewById(R.id.username_input);
        passwordInput = findViewById(R.id.password_input);
        loginButton = findViewById(R.id.login_btn); }
public void onLoginButtonClick(View view) {
        Toast.makeText(this, "Login successfully completed", Toast.LENGTH_LONG).show();}
}
```

OUTPUT:

2. Write a program to create a login form for student regiastration form.
- activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:gravity="center"
android:padding="16dp"
tools:context=".MainActivity">
<LinearLayoutandroid:layout_width="match_parent"android:layout_height="wrap_content"android:gravity="center"
android:orientation="vertical">
<ImageView android:layout_width="150dp" android:layout_height="150dp"
android:layout_marginTop="10dp"
android:src="@drawable/icon_account_circle" />    <TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Student RegistrationForm"
android:textStyle="bold"
android:textColor="@color/black"
android:textSize="30sp"
android:layout_marginTop="10dp"
android:layout_gravity="center_horizontal"/>    <LinearLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:orientation="horizontal"
android:gravity="center_vertical">
<TextViewandroid:layout_width="wrap_content"android:layout_height="wrap_content"android:text="Name:"
android:textColor="@color/black"
android:textSize="22sp"android:drawableLeft="@drawable/el"android:drawablePadding="8dp"android:layout_marginStart="16dp"/>
<EditText android:id="@+id/username_input"   android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_weight="1"android:inputType="text"android:padding="18dp"
```

```xml
android:textSize="25sp" />
</LinearLayout>        <LinearLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:orientation="horizontal"

android:gravity="center_vertical">
<TextViewandroid:layout_width="wrap_content"android:layout_height="wrap_content"android:text="Password:"
android:textColor="@color/black"
android:textSize="22sp"
android:drawableLeft="@drawable/password"android:drawablePadding="8dp"
android:layout_marginStart="16dp"/>
<EditTextandroid:id="@+id/password_input"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_weight="1"
android:layout_marginTop="1dp"
android:inputType="textPassword"
android:padding="18dp"
android:textSize="25sp" />
</LinearLayout>
<Button android:id="@+id/login_btn"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"android:backgroundTint="@color/black"
android:onClick="onLoginButtonClick"
android:padding="18dp"
android:text="Login"
android:textColor="@color/white"
android:textSize="22sp" />
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="15dp"
android:text="New Here? Register"
android:textColor="@color/black"
android:textSize="22sp"
android:layout_gravity="center_horizontal"/>   </LinearLayout>
</RelativeLayout>
```

- **acitivitymain.java**

```java
package com.example.pr10q2_studreg;
import android.os.Bundle;
import android.view.View;
import android.widget.*;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    private EditText usernameInput, passwordInput;     private Button loginButton;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        usernameInput = findViewById(R.id.username_input);
        passwordInput = findViewById(R.id.password_input);
        loginButton = findViewById(R.id.login_btn);}
    public void onLoginButtonClick(View view) {
        Toast.makeText(this, "Login successfully completed", Toast.LENGTH_LONG).show();}}
```

OUTPUT: