**App 3: Develop an Android app to create basic login form**

**MainAcitivity.java:**

package com.example.loginform;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.InputDevice;

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 {

TextView textView;

EditText username;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

username = (EditText) findViewById(R.id.username);

Button button=findViewById(R.id.sbtn);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast toast = Toast.makeText(MainActivity.this,"welcome " + username.getText(),Toast.LENGTH\_LONG);

toast.show();

}

});

}

}

**Activity\_main.xml:**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout 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"

android:background="#56422641"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView2"

android:layout\_width="222dp"

android:layout\_height="49dp"

android:layout\_marginStart="143dp"

android:layout\_marginTop="110dp"

android:layout\_marginEnd="143dp"

android:layout\_marginBottom="33dp"

android:background="#8C97D3"

android:foregroundGravity="center\_horizontal"

android:gravity="center\_vertical"

android:text="Login Details"

android:textAlignment="center"

android:textColor="#000000"

android:textSize="24sp"

app:layout\_constraintBottom\_toTopOf="@+id/username"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.515"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<EditText

android:id="@+id/username"

android:layout\_width="222dp"

android:layout\_height="wrap\_content"

android:layout\_marginStart="93dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="96dp"

android:layout\_marginBottom="16dp"

android:hint="username or email"

android:textColorHighlight="#100E0E"

android:textColorLink="#F5070505"

app:layout\_constraintBottom\_toTopOf="@+id/Password"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView2" />

<Button

android:id="@+id/sbtn"

android:layout\_width="222dp"

android:layout\_height="49dp"

android:layout\_marginStart="93dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="96dp"

android:layout\_marginBottom="370dp"

android:backgroundTint="#FF1744"

android:text="Submit"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/Password" />

<EditText

android:id="@+id/Password"

android:layout\_width="222dp"

android:layout\_height="49dp"

android:layout\_marginStart="93dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="96dp"

android:layout\_marginBottom="16dp"

android:ems="10"

android:hint="Password"

android:inputType="textPassword"

android:textColorLink="#0C0C0C"

app:layout\_constraintBottom\_toTopOf="@+id/sbtn"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/username" />

</androidx.constraintlayout.widget.ConstraintLayout>

**OUTPUT:**

 