**Practical no.-**28

**Title: Write a program to create and validate login application**

**Roll No.:**15 **Batch-** A **Date of Performance:** 25/03/2024

**activity\_main.xml**

<?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"

android:orientation="vertical"

android:padding="16dp"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView"

style="@style/TextAppearance.AppCompat.Large"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center\_horizontal"

android:layout\_marginTop="20dp"

android:textStyle="bold"

android:gravity="center\_horizontal"

android:text="Login Form" />

<EditText

android:id="@+id/email"

style="@style/TextAppearance.AppCompat.Large"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="start|top"

android:layout\_marginTop="20dp"

android:hint="Email"

android:inputType="textEmailAddress"></EditText>

<EditText

android:id="@+id/username"

style="@style/TextAppearance.AppCompat.Large"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="start|top"

android:layout\_marginTop="20dp"

android:hint="UserName"

android:inputType="text"></EditText>

<EditText

android:id="@+id/password"

style="@style/TextAppearance.AppCompat.Large"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="start|top"

android:layout\_marginTop="20dp"

android:hint="Password"

android:inputType="textPassword"></EditText>

<EditText

android:id="@+id/cpassword"

style="@style/TextAppearance.AppCompat.Large"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="start|top"

android:layout\_marginTop="20dp"

android:hint="Confirm Password"

android:inputType="textPassword"></EditText>

<Button

android:id="@+id/login"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center\_horizontal"

android:layout\_marginTop="30dp"

android:text="LOGIN"

android:textColor="@color/black"/>

</LinearLayout>

**MainActivity.java**

package com.example.pract\_28avalidation;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.provider.ContactsContract;

import android.util.Patterns;

import android.view.View;

import android.widget.\*;

import android.widget.EditText;

import android.widget.Toast;

import com.basgeekball.awesomevalidation.AwesomeValidation;

import com.basgeekball.awesomevalidation.ValidationStyle;

import com.basgeekball.awesomevalidation.utility.RegexTemplate;

import java.util.regex.Pattern;

public class MainActivity extends AppCompatActivity {

EditText eEmail,eUsername,epassword,cpassword;

AwesomeValidation awesomeValidation;

Button blogin;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

eEmail=findViewById(R.id.email);

eUsername=findViewById(R.id.username);

epassword=findViewById(R.id.password);

cpassword=findViewById(R.id.cpassword);

blogin=findViewById(R.id.login);

awesomeValidation=new AwesomeValidation(ValidationStyle.BASIC);

awesomeValidation.addValidation(this,R.id.email, Patterns.EMAIL\_ADDRESS,R.string.invalid\_email);

awesomeValidation.addValidation(this,R.id.username,RegexTemplate.NOT\_EMPTY,R.string.invalid\_Name);

awesomeValidation.addValidation(this,R.id.password,".{8,}",R.string.invalid\_password);

awesomeValidation.addValidation(this,R.id.cpassword,R.id.password,R.string.password\_not\_match);

blogin.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if(awesomeValidation.validate())

{

Toast.makeText(getApplicationContext(),"Login Successful",Toast.LENGTH\_LONG).show();

}

else

{

Toast.makeText(getApplicationContext(),"Login UnSuccessful.... Try Again",Toast.LENGTH\_LONG).show();

}

}

});

}

}

