package com.example.formvalidationexample;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

import java.util.regex.Pattern;

public class MainActivity extends AppCompatActivity {

private EditText nameInput, emailInput, passInput;

private TextView resultView;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

nameInput = findViewById(R.id.editTextName);

emailInput = findViewById(R.id.editTextEmail);

passInput = findViewById(R.id.editTextPassword);

Button submitBtn = findViewById(R.id.buttonSubmit);

resultView = findViewById(R.id.textViewResult);

submitBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String name = nameInput.getText().toString().trim();

String email = emailInput.getText().toString().trim();

String password = passInput.getText().toString().trim();

String result = validateForm(name, email, password);

resultView.setText(result);

}

});

}

private String validateForm(String name, String email, String password) {

if (name.isEmpty()) return "Name is required.";

if (!isValidEmail(email)) return "Invalid email.";

if (password.length() < 6) return "Password must be at least 6 characters.";

return "Form submitted successfully!";

}

private boolean isValidEmail(String email) {

String regex = "^[A-Za-z0-9+\_.-]+@[A-Za-z0-9.-]+$";

return Pattern.compile(regex).matcher(email).matches();

}

}