package com.example.regexexample;

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 editTextEmail;

private TextView textViewResult;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

editTextEmail = findViewById(R.id.editTextEmail);

Button buttonValidate = findViewById(R.id.buttonValidate);

textViewResult = findViewById(R.id.textViewResult);

buttonValidate.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String email = editTextEmail.getText().toString();

boolean isValid = validateEmail(email);

textViewResult.setText(isValid ? "Valid Email!" : "Invalid Email.");

}

});

}

private boolean validateEmail(String email) {

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

Pattern pattern = Pattern.compile(emailRegex);

return pattern.matcher(email).matches();

}

}