package com.example.amstrong;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText mynum;

Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

mynum = findViewById(R.id.mynum);

b1 = findViewById(R.id.b1);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String n = mynum.getText().toString();

int num = Integer.parseInt(n);

int originalNum, remainder, result = 0;

originalNum = num;

while (originalNum != 0) {

remainder = originalNum % 10;

result += Math.pow(remainder, 3);

originalNum /= 10;

}

if (result == num) {

Toast.makeText(MainActivity.this, num + " is an Armstrong number", Toast.LENGTH\_SHORT).show();

} else {

Toast.makeText(MainActivity.this, num + " is not an Armstrong number", Toast.LENGTH\_SHORT).show();

}

}

});

}

}