package com.example.activity\_angeles;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

private EditText height;

private EditText weight;

private TextView result;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

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

result = (TextView) findViewById(R.id.result);

}

public void calculateBMI(View v) {

String heightStr = height.getText().toString();

String weightStr = weight.getText().toString();

if (heightStr != null && !"".equals(heightStr)

&& weightStr !=null && !"".equals(weightStr)) {

float heightValue = Float.parseFloat(heightStr) / 100;

float weightValue = Float.parseFloat(weightStr);

float bmi = weightValue / (heightValue \* heightValue);

displayBMI(bmi);

}

}

private void displayBMI(float bmi) {

String bmilabel = "";

if(Float.compare(bmi, 16f) <= 0) {

bmilabel = getString(R.string.underweight);

}else if (Float.compare(bmi, 18.5f) > 0 && Float.compare(bmi, 25f) <= 0) {

bmilabel = getString(R.string.normal);

}else if (Float.compare(bmi, 25f) > 0 && Float.compare(bmi, 30f) <= 0) {

bmilabel = getString(R.string.overweight);

}else if (Float.compare(bmi, 30f) > 0 && Float.compare(bmi, 40f) <= 0) {

bmilabel = getString(R.string.obese);

}

bmilabel = bmi + "\n\n" + bmilabel;

result.setText(bmilabel);

}

}