**MainActivity.java**

package com.example.bmicalculator;

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;

public class MainActivity extends AppCompatActivity {

private EditText etWeight, etHeight;

private Button btnCalculate;

private TextView tvResult;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

etWeight = findViewById(R.id.etWeight);

etHeight = findViewById(R.id.etHeight);

btnCalculate = findViewById(R.id.btnCalculate);

tvResult = findViewById(R.id.tvResult);

btnCalculate.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

calculateBMI();

}

});

}

private void calculateBMI() {

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

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

if (!weightStr.isEmpty() && !heightStr.isEmpty()) {

float weight = Float.parseFloat(weightStr);

float height = Float.parseFloat(heightStr) / 100; // Convert cm to meters

float bmi = weight / (height \* height);

String bmiResult = String.format("Your BMI is: %.2f", bmi);

tvResult.setText(bmiResult);

} else {

tvResult.setText("Please enter valid values.");

}

}

}