<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:gravity="center">

<EditText

android:id="@+id/firstNumber"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter first number"

android:inputType="numberDecimal"

android:textSize="18sp"

android:padding="16dp"/>

<EditText

android:id="@+id/secondNumber"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter second number"

android:inputType="numberDecimal"

android:textSize="18sp"

android:layout\_marginTop="16dp"

android:padding="16dp"/>

<Button

android:id="@+id/addButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Add"

android:layout\_marginTop="16dp"/>

</LinearLayout>

Main\_Activity.java

package com.example.additionapp;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

EditText firstNumberEditText = findViewById(R.id.firstNumber);

EditText secondNumberEditText = findViewById(R.id.secondNumber);

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

addButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String firstNumberString = firstNumberEditText.getText().toString();

String secondNumberString = secondNumberEditText.getText().toString();

if (!firstNumberString.isEmpty() && !secondNumberString.isEmpty()) {

// Convert strings to numbers (using double for decimal input)

double firstNumber = Double.parseDouble(firstNumberString);

double secondNumber = Double.parseDouble(secondNumberString);

double sum = firstNumber + secondNumber;

String resultMessage = "Result: " + sum;

Toast.makeText(MainActivity.this, resultMessage, Toast.LENGTH\_SHORT).show();

} else {

Toast.makeText(MainActivity.this, "Please enter both numbers", Toast.LENGTH\_SHORT).show();

}

}

});

}

}