# PRACTICAL:2

**AIM: Create an android application to calculate the sum of two numbers and gives result in Toast Message.**

**Source Code:**

**Java File/s:**
**MainActivity.java**

```
package com.example.addition;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    EditText number1;
    EditText number2;
    Button Add_button;
    TextView result;
    int ans=0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

            number1=(EditText) findViewById(R.id.editText_first_no);
        number2=(EditText) findViewById(R.id.editText_second_no);
        Add_button=(Button) findViewById(R.id.add_button);
        result = (TextView) findViewById(R.id.textView_answer);


        Add_button.setOnClickListener(new View.OnClickListener() {

            public void onClick(View v) {

                double num1 = Double.parseDouble(number1.getText().toString());
               double num2 = Double.parseDouble(number2.getText().toString());
               double sum = num1 + num2;


  Toast.makeText(MainActivity.this,"sum is : "+sum,Toast.LENGTH_SHORT).show();
```

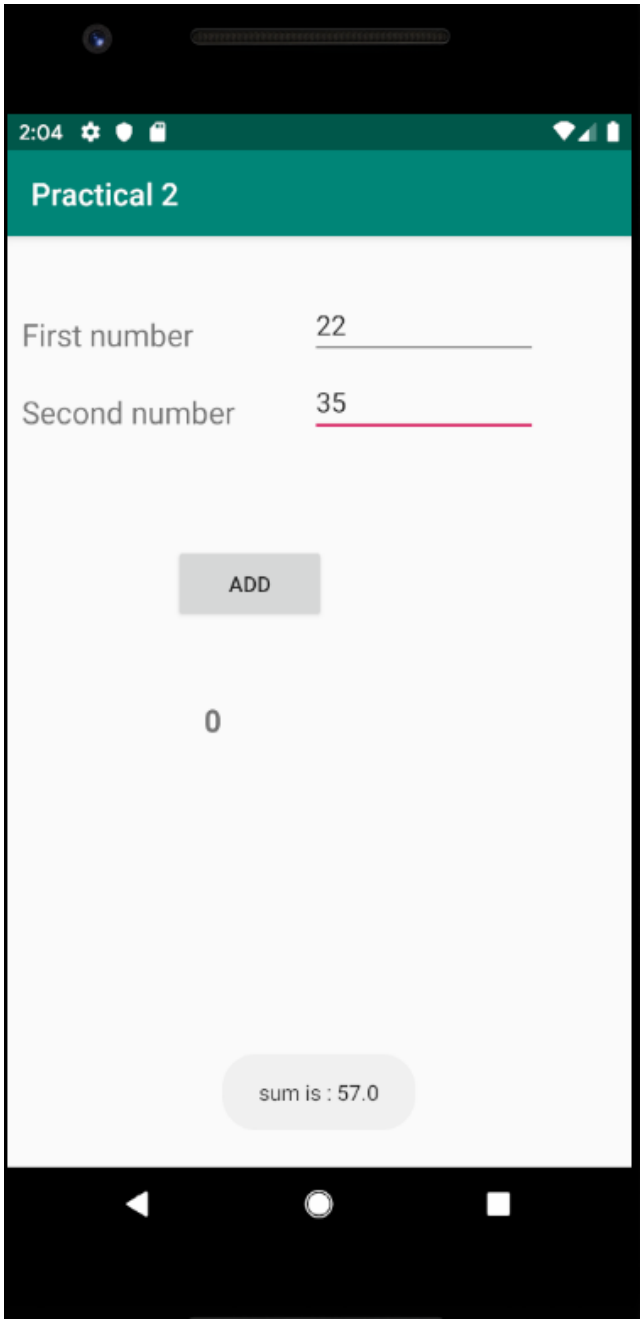
```
        }
      });
   }
}
```

**Layout File/s:**
**activity_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:app="http://schemas.android.com/apk/res-auto"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   tools:context="com.example.addition.MainActivity"
   tools:layout_editor_absoluteY="81dp">

   <!-- Text view for result view-->
   <TextView
      android:id="@+id/textView_answer"
      android:layout_width="100dp"
      android:layout_height="25dp"
      android:layout_marginLeft="130dp"
      android:layout_marginTop="300dp"
      android:text="0"
      android:textSize="20dp"
      android:textStyle="bold" />

   <!--take the input first number-->
   <EditText
      android:id="@+id/editText_first_no"
      android:layout_width="150dp"
      android:layout_height="40dp"
      android:layout_marginLeft="200dp"
      android:layout_marginTop="40dp"
      android:inputType="number" />
   <!-- for messege input first number-->
   <TextView
      android:id="@+id/textView_first_no"
      android:layout_width="150dp"
      android:layout_height="25dp"
      android:layout_marginLeft="10dp"
      android:layout_marginTop="50dp"
      android:text="First number"
      android:textSize="20dp" />

   <!--view messege -->
   <TextView
      android:id="@+id/textView_second_no"
      android:layout_width="150dp"
```

```
    android:layout_height="25dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="100dp"
    android:text="Second number"
    android:textSize="20dp" />

  <!-- take input for second number -->

  <EditText
    android:id="@+id/editText_second_no"
    android:layout_width="150dp"
    android:layout_height="40dp"
    android:layout_marginLeft="200dp"
    android:layout_marginTop="90dp"
    android:inputType="number"
    tools:ignore="MissingConstraints" />

  <!-- button for run add logic and view result -->

  <Button
    android:id="@+id/add_button"
    android:layout_width="100dp"
    android:layout_height="50dp"
    android:layout_marginLeft="110dp"
    android:layout_marginTop="200dp"
    android:text="ADD" />

</RelativeLayout>
```

**Output:**


2:04
Practical 2
First number
22
Second number
35
ADD
0
sum is : 57.0