<XML CODE>

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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">

    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:orientation="horizontal"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.19999999">

        <com.google.android.material.textfield.TextInputLayout
            android:layout_width="wrap_content"
            android:layout_height="match_parent">

            <com.google.android.material.textfield.TextInputEditText
                android:id="@+id/n1"
                android:layout_width="150dp"
                android:layout_height="wrap_content"
                android:layout_marginRight="20dp"
                android:hint="first number" />

        </com.google.android.material.textfield.TextInputLayout>

        <com.google.android.material.textfield.TextInputLayout
            android:layout_width="wrap_content"
            android:layout_height="match_parent">

            <com.google.android.material.textfield.TextInputEditText
                android:id="@+id/n2"
                android:layout_width="150dp"
                android:layout_height="wrap_content"
                android:hint="second number" />
        </com.google.android.material.textfield.TextInputLayout>

    </LinearLayout>

    <Button
        android:id="@+id/compute"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:background="#E13771"
        android:onClick="onAddClick"
        android:text="Compute"
        android:textColor="#000000"
```

```xml
        android:textSize="16sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/result"
        app:layout_constraintVertical_bias="0.060000002" />

    <TextView
        android:id="@+id/result"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:hint="0"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/linearLayout"
        app:layout_constraintVertical_bias="0.06999999" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

<JAVA CODE>

```java
package com.jofs.task1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.material.textfield.TextInputEditText;

public class MainActivity extends AppCompatActivity {

    EditText number1;
    EditText number2;
    Button Add_button;
    TextView result;
    int ans=0;
    String regexStr = "^[0-9]*$";


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

```java
        // by ID we can use each component which id is assign in xml file
        number1=(EditText) findViewById(R.id.n1);
        number2=(EditText) findViewById(R.id.n2);
        Add_button=(Button) findViewById(R.id.compute);
        result = (TextView) findViewById(R.id.result);

        // Add_button add clicklistener
        Add_button.setOnClickListener(new View.OnClickListener() {

            public void onClick(View v) {
                if (number1.getText().toString().isEmpty()) {
                    Toast.makeText(MainActivity.this, "Enter first number!",
Toast.LENGTH_SHORT).show();
                } else if (number2.getText().toString().isEmpty()) {
                    Toast.makeText(MainActivity.this, "Enter second number!",
Toast.LENGTH_SHORT).show();
                } else
if(!number1.getText().toString().trim().matches(regexStr)) {
                    Toast.makeText(MainActivity.this, "Only numbers are
accepted!", Toast.LENGTH_SHORT).show();
                } else
if(!number2.getText().toString().trim().matches(regexStr)){
                    Toast.makeText(MainActivity.this, "Only numbers are
accepted!", Toast.LENGTH_SHORT).show();
                }else {
                    // num1 or num2 double type
                    // get data which is in edittext, convert it to string
                    // using parse Double convert it to Double type
                    double num1 =
Double.parseDouble(number1.getText().toString());
                    double num2 =
Double.parseDouble(number2.getText().toString());
                    // add both number and store it to sum
                    double sum = num1 + num2;
                    // set it ot result textview
                    result.setText(Double.toString(sum));
                }


            }
        });
    }

}
```