**PRG1.ADD2NUMBERS**

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<?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=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Sum of Numbers"  
 android:gravity="center"  
 android:id="@+id/textView" />  
  
 <EditText  
 android:id="@+id/num1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textView"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginStart="29dp"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:hint="Enter First Number"  
 android:inputType="number" />  
  
 <Button  
 android:id="@+id/btn1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/num1"  
 android:layout\_alignStart="@+id/num1"  
 android:layout\_marginTop="47dp"  
 android:text="Show Sum" />  
  
 <EditText  
 android:id="@+id/num2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/num1"  
 android:layout\_alignStart="@+id/num1"  
 android:ems="10"  
 android:hint="Enter Second Number"  
 android:inputType="number" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/showsum"  
 android:text="Answer"  
 android:layout\_below="@+id/btn1"  
 android:layout\_marginTop="19dp" />  
  
</RelativeLayout>

**MainActivity.java**

package com.example.myapplication1;  
  
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;  
  
public class MainActivity extends AppCompatActivity {  
 EditText num1;  
  
 EditText num2;  
  
 TextView answer;  
  
 Button btn;  
  
 double num3,num4,sum;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 num1=(EditText)findViewById(R.id.*num1*);  
 num2=(EditText)findViewById(R.id.*num2*);  
 answer=(TextView) findViewById(R.id.*showsum*);  
 btn=(Button)findViewById(R.id.*btn1*);  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String value1=num1.getText().toString();  
 String value2=num2.getText().toString();  
 int a = Integer.*parseInt*(value1);  
 int b = Integer.*parseInt*(value2);  
 int sum = a+b;  
 answer.setText(Integer.*toString*(sum));  
 Toast.*makeText*(getApplicationContext(), String.*valueOf*(sum), Toast.*LENGTH\_LONG*).show();  
 }  
 });  
 }  
}

**OUTPUT**

