**Program: 1**

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**Aim:**

Addition of two numbwes **Procedure:** 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=".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" |
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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.pgadd;    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); |
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| 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**

