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Batch: RMCA B

Roll No: 17

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Program: 1

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"
```

```

        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);

```

```
        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

