Calculator Application

Activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal"
    android:stretchColumns="1">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <EditText
            android:id="@+id/et1"
            android:layout_width="match_parent"
            android:layout_height="70dp"
            android:ems="10"
            android:inputType="textPersonName"
            android:text="Input1" />

        <EditText
            android:id="@+id/et2"
            android:layout_width="match_parent"
            android:layout_height="64dp"
            android:ems="10"
            android:inputType="textPersonName"
```

```xml
      android:text="Input2" />

   <Button
      android:id="@+id/btnAdd"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="Addition" />

   <Button
      android:id="@+id/btnSub"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="Subtraction" />

   <Button
      android:id="@+id/btnMult"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="Multiplication" />

   <Button
      android:id="@+id/btnDiv"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="Division" />

   <Button
      android:id="@+id/btnClear"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="Clear" />

   <TextView
      android:id="@+id/tv1"
      android:layout_width="match_parent"
      android:layout_height="63dp"
      android:text="Output"
      android:textColor="@android:color/background_dark"
      android:textSize="18sp"
      android:textStyle="bold"
      app:fontFamily="casual" />
   </LinearLayout>
</LinearLayout>
```

 Main_Activity.java

```java
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.*;

import static android.view.View.*;

public class MainActivity extends AppCompatActivity {

  EditText t1,t2;
  Button b1,b2,b3,b4,b5;
  TextView tv1;
  int n1=0,n2=0;
  String s1,s2;
  @Override
  protected void onCreate(Bundle savedInstanceState)
  {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    t1 = (EditText) findViewById(R.id.et1);
    t2 = (EditText) findViewById(R.id.et2);

    b1 = (Button) findViewById(R.id.btnAdd);
    b2 = (Button) findViewById(R.id.btnSub);
    b3 = (Button) findViewById(R.id.btnMult);
    b4 = (Button) findViewById(R.id.btnDiv);
    b5 = (Button) findViewById(R.id.btnClear);

    tv1 = (TextView) findViewById(R.id.tv1);



    b1.setOnClickListener(new OnClickListener() {
      @Override
      public void onClick(View v) {
```

```java
        try {
                String s1 = t1.getText().toString();
                String s2 = t2.getText().toString();
                n1 = Integer.parseInt(s1);
                n2 = Integer.parseInt(s1);
                int sum = n1 + n2;
                tv1.setText("Addition ="+sum);
            }
           catch (NumberFormatException e)
           {

           }

     }
});

     b2.setOnClickListener(new View.OnClickListener() { @
        Override
        public void onClick(View v) {

           try {
              String s1 = t1.getText().toString();
              String s2 = t2.getText().toString();
              n1 = Integer.parseInt(s1);
              n2 = Integer.parseInt(s1);
              int sub = n1 - n2;
              tv1.setText("Subtraction ="+sub);
           }
           catch (NumberFormatException e)
           {

           }

        }
});
     b3.setOnClickListener(new View.OnClickListener() { @
        Override
        public void onClick(View v) {

           try {
              String s1 = t1.getText().toString();
              String s2 = t2.getText().toString();
              n1 = Integer.parseInt(s1);
              n2 = Integer.parseInt(s1);
              int m = n1 * n2;
           tv1.setText("Multiplication ="+m);
```

```
            }
          catch (NumberFormatException e)
          {

          }

       }
    });

    b4.setOnClickListener(new View.OnClickListener() { @Override
      public void onClick(View v) {

          try {
            String s1 = t1.getText().toString(); String s2 = t2.getText().
            toString();
            n1 = Integer.parseInt(s1);
            n2 = Integer.parseInt(s1);
            int d = n1 / n2;
            tv1.setText("Division ="+d);
          }
          catch (NumberFormatException e)
          {

          }

       }
    });


    b5.setOnClickListener(new OnClickListener() { @Override
      public void onClick(View v) {

          t1.setText(" "); t2.setText("
          "); tv1.setText(" ");

       } });



}
}
```