***Experiment 1***

MainActivity.xml

package com.example.grid\_sample;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

}

}

**Calculator.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"

android:background="#436470">

<TextView

android:id="@+id/textView4"

android:layout\_width="188dp"

android:layout\_height="39dp"

android:background="#2196F3"

android:backgroundTint="#CBDDB5"

android:text="CALCULATOR"

android:textAppearance="@style/TextAppearance.AppCompat.Large"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

tools:layout\_editor\_absoluteY="30dp" />

<TextView

android:id="@+id/textView5"

android:layout\_width="136dp"

android:layout\_height="29dp"

android:background="#549A9393"

android:backgroundTint="#8C6DC3"

android:clickable="false"

android:text="FIRST NUMBER"

android:textColor="#F4E7E7"

tools:layout\_editor\_absoluteX="32dp"

tools:layout\_editor\_absoluteY="117dp" />

<TextView

android:id="@+id/textView6"

android:layout\_width="132dp"

android:layout\_height="20dp"

android:background="#998CAF"

android:text="SECOND NUMBER"

tools:layout\_editor\_absoluteX="34dp"

tools:layout\_editor\_absoluteY="182dp" />

<EditText

android:id="@+id/editTextTextPersonName"

android:layout\_width="182dp"

android:layout\_height="29dp"

android:backgroundTint="#B19F9F"

android:ems="10"

android:inputType="textPersonName"

tools:layout\_editor\_absoluteX="189dp"

tools:layout\_editor\_absoluteY="119dp" />

<EditText

android:id="@+id/editTextTextPersonName4"

android:layout\_width="186dp"

android:layout\_height="23dp"

android:ems="10"

android:inputType="textPersonName"

tools:layout\_editor\_absoluteX="185dp"

tools:layout\_editor\_absoluteY="182dp" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:autoText="true"

android:text="ADD"

tools:layout\_editor\_absoluteX="18dp"

tools:layout\_editor\_absoluteY="257dp" />

<Button

android:id="@+id/button2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="SUBTRACT"

tools:layout\_editor\_absoluteX="140dp"

tools:layout\_editor\_absoluteY="257dp" />

<Button

android:id="@+id/button3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="MULTIPLY"

tools:layout\_editor\_absoluteX="266dp"

tools:layout\_editor\_absoluteY="257dp" />

<Button

android:id="@+id/button4"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="DIVIDE"

tools:layout\_editor\_absoluteX="142dp"

tools:layout\_editor\_absoluteY="327dp" />

</androidx.constraintlayout.widget.ConstraintLayout>

**OUTPUT**

