**ANDROID LAB**

**Name: Vismaya Mohan**

**Roll No:54**

**Batch:RMCA-B**

**Date:**

**Experiment No.:**

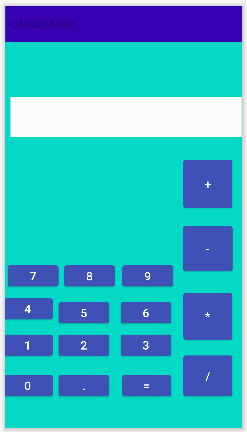
**Aim**

1.Design a simple calculator, and set properties using .xml file.

**Program**

*<?*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="#00BCD4"  
 android:backgroundTint="@color/teal\_200"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/result"  
 android:layout\_width="401dp"  
 android:layout\_height="70dp"  
 android:layout\_marginStart="41dp"  
 android:layout\_marginEnd="48dp"  
 android:layout\_marginBottom="504dp"  
 android:background="@color/material\_dynamic\_neutral99"  
 android:text=""  
 android:textColorLink="#A085D1"  
 android:textSize="25sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.405"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="7"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="5dp"  
 tools:layout\_editor\_absoluteY="444dp" />  
  
 <Button  
 android:id="@+id/button3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="8"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="103dp"  
 tools:layout\_editor\_absoluteY="444dp" />  
  
 <Button  
 android:id="@+id/button4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="4"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="-5dp"  
 tools:layout\_editor\_absoluteY="501dp" />  
  
 <Button  
 android:id="@+id/button5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="5"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="93dp"  
 tools:layout\_editor\_absoluteY="508dp" />  
  
 <Button  
 android:id="@+id/button6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="1"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="-5dp"  
 tools:layout\_editor\_absoluteY="564dp" />  
  
 <Button  
 android:id="@+id/button7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="2"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="93dp"  
 tools:layout\_editor\_absoluteY="564dp" />  
  
 <Button  
 android:id="@+id/button8"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="9"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="204dp"  
 tools:layout\_editor\_absoluteY="444dp" />  
  
 <Button  
 android:id="@+id/button9"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="6"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="201dp"  
 tools:layout\_editor\_absoluteY="508dp" />  
  
 <Button  
 android:id="@+id/button10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:backgroundTintMode="add"  
 android:text="3"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="201dp"  
 tools:layout\_editor\_absoluteY="564dp" />  
  
 <Button  
 android:id="@+id/button11"  
 android:layout\_width="85dp"  
 android:layout\_height="95dp"  
 android:backgroundTint="#3F51B5"  
 android:text="+"  
 android:textSize="20"  
 app:strokeColor="#4C2828"  
 tools:layout\_editor\_absoluteX="310dp"  
 tools:layout\_editor\_absoluteY="261dp" />  
  
 <Button  
 android:id="@+id/button12"  
 android:layout\_width="86dp"  
 android:layout\_height="89dp"  
 android:backgroundTint="#3F51B5"  
 android:text="-"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="309dp"  
 tools:layout\_editor\_absoluteY="376dp" />  
  
 <Button  
 android:id="@+id/button13"  
 android:layout\_width="85dp"  
 android:layout\_height="92dp"  
 android:backgroundTint="#3F51B5"  
 android:text="\*"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="310dp"  
 tools:layout\_editor\_absoluteY="492dp" />  
  
 <Button  
 android:id="@+id/button14"  
 android:layout\_width="85dp"  
 android:layout\_height="82dp"  
 android:backgroundTint="#3F51B5"  
 android:text="/"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="310dp"  
 tools:layout\_editor\_absoluteY="600dp" />  
  
 <Button  
 android:id="@+id/button15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="0"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="-5dp"  
 tools:layout\_editor\_absoluteY="634dp" />  
  
 <Button  
 android:id="@+id/button16"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#3F51B5"  
 android:text="."  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="93dp"  
 tools:layout\_editor\_absoluteY="634dp" />  
  
 <Button  
 android:id="@+id/button17"  
 android:layout\_width="85dp"  
 android:layout\_height="48dp"  
 android:backgroundTint="#3F51B5"  
 android:text="="  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="204dp"  
 tools:layout\_editor\_absoluteY="634dp" />  
  
 <com.google.android.material.textfield.TextInputLayout  
 android:layout\_width="409dp"  
 android:layout\_height="wrap\_content"  
 tools:layout\_editor\_absoluteX="1dp"  
 tools:layout\_editor\_absoluteY="46dp">  
  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <com.google.android.material.textfield.TextInputEditText  
 android:layout\_width="417dp"  
 android:layout\_height="62dp"  
 android:background="@color/purple\_700"  
 android:hint=" CALCULATOR"  
 android:textColor="@color/teal\_200"  
 tools:layout\_editor\_absoluteX="1dp"  
 tools:layout\_editor\_absoluteY="-1dp" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout

**OUTPUT**

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