**Name: Nikhil Jais**

**Roll No:25**

**Batch: MCA-B**

**Date: 30-08-2022**

**20MCA243-Mobile Application Development Lab**

**Experiment No.:1**

**Aim**

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

**Procedure**

<?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"  
 tools:context=".MainActivity">  
  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="63dp"  
 android:layout\_height="56dp"  
 android:text="2"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="135dp"  
 tools:layout\_editor\_absoluteY="270dp" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="69dp"  
 android:layout\_height="56dp"  
 android:text="1"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="58dp"  
 tools:layout\_editor\_absoluteY="270dp" />  
  
 <Button  
 android:id="@+id/button3"  
 android:layout\_width="67dp"  
 android:layout\_height="56dp"  
 android:text="3"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="205dp"  
 tools:layout\_editor\_absoluteY="270dp" />  
  
 <Button  
 android:id="@+id/button4"  
 android:layout\_width="69dp"  
 android:layout\_height="53dp"  
 android:text="4"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="58dp"  
 tools:layout\_editor\_absoluteY="338dp" />  
  
 <Button  
 android:id="@+id/button5"  
 android:layout\_width="67dp"  
 android:layout\_height="50dp"  
 android:text="5"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="136dp"  
 tools:layout\_editor\_absoluteY="339dp" />  
  
 <Button  
 android:id="@+id/button6"  
 android:layout\_width="63dp"  
 android:layout\_height="56dp"  
 android:text="6"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="207dp"  
 tools:layout\_editor\_absoluteY="333dp" />  
  
 <Button  
 android:id="@+id/button7"  
 android:layout\_width="63dp"  
 android:layout\_height="50dp"  
 android:text="7"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="58dp"  
 tools:layout\_editor\_absoluteY="401dp" />  
  
 <Button  
 android:id="@+id/button8"  
 android:layout\_width="65dp"  
 android:layout\_height="51dp"  
 android:text="8"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="132dp"  
 tools:layout\_editor\_absoluteY="399dp" />  
  
 <Button  
 android:id="@+id/button9"  
 android:layout\_width="67dp"  
 android:layout\_height="58dp"  
 android:layout\_marginTop="8dp"  
 android:text="9"  
 android:textSize="20"  
 app:layout\_constraintTop\_toBottomOf="@+id/button6"  
 tools:layout\_editor\_absoluteX="205dp" />  
  
 <Button  
 android:id="@+id/button10"  
 android:layout\_width="63dp"  
 android:layout\_height="53dp"  
 android:text="0"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="58dp"  
 tools:layout\_editor\_absoluteY="460dp" />  
  
 <Button  
 android:id="@+id/button11"  
 android:layout\_width="63dp"  
 android:layout\_height="52dp"  
 android:text="\*"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="132dp"  
 tools:layout\_editor\_absoluteY="460dp" />  
  
 <Button  
 android:id="@+id/button12"  
 android:layout\_width="67dp"  
 android:layout\_height="52dp"  
 android:text="/"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="207dp"  
 tools:layout\_editor\_absoluteY="460dp" />  
  
 <Button  
 android:id="@+id/button13"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="="  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="286dp"  
 tools:layout\_editor\_absoluteY="274dp" />  
  
 <Button  
 android:id="@+id/button14"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="+"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="286dp"  
 tools:layout\_editor\_absoluteY="341dp" />  
  
 <Button  
 android:id="@+id/button15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="-"  
 android:textSize="25"  
 tools:layout\_editor\_absoluteX="286dp"  
 tools:layout\_editor\_absoluteY="405dp" />  
  
 <Button  
 android:id="@+id/button16"  
 android:layout\_width="86dp"  
 android:layout\_height="56dp"  
 android:text="C"  
 android:textSize="20"  
 tools:layout\_editor\_absoluteX="287dp"  
 tools:layout\_editor\_absoluteY="462dp" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName2"  
 android:layout\_width="315dp"  
 android:layout\_height="45dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text=""  
 tools:layout\_editor\_absoluteX="58dp"  
 tools:layout\_editor\_absoluteY="202dp" />  
  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="415dp"  
 android:layout\_height="62dp"  
 android:background="?attr/colorPrimary"  
 android:minHeight="?attr/actionBarSize"  
 android:theme="?attr/actionBarTheme"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:layout\_editor\_absoluteY="0dp" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Output Screenshot**

