**ASSIGNMENT 1**

**NAME: Haris Zubair**

**Roll No: L1f22bscs0577**

**Section: E-11**

<?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:id="@+id/main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/hola"

android:text="15"

android:textSize="50dp"

android:textAlignment="textEnd"

android:textColor="@color/white"

android:layout\_above="@+id/buttons\_layout"

android:layout\_margin="16dp"/>

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/solution\_tv"

android:text="1+2+3+4+5"

android:textSize="32dp"

android:textAlignment="textEnd"

android:textColor="@color/white"

android:layout\_above="@+id/hola"

android:layout\_margin="16dp"/>

<LinearLayout

android:id="@+id/buttons\_layout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_alignParentBottom="true"

android:background="#4B4848"

android:orientation="vertical">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_c"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="C"

android:textStyle="bold"

android:backgroundTint="#B41212"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_open\_bracket"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="("

android:textStyle="bold"

android:backgroundTint="#A49797"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_close\_bracket"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text=")"

android:textStyle="bold"

android:backgroundTint="#A49797"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_divide"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:backgroundTint="#C33600"

android:text="/"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_7"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="7"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_8"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="8"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_9"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="9"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_multiply"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:backgroundTint="#C33600"

android:textStyle="bold"

android:text="\*"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_4"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="4"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_5"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="5"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_6"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="6"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_plus"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:backgroundTint="#C33600"

android:textStyle="bold"

android:text="+"

android:textcolor="black"

android:textsize="40sp"

app:cornerRadius="500dp" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_1"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="1"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_2"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="104dp"

android:layout\_height="100dp"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:text="2"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_3"

style="@style/TextAppearance.AppCompat.Widget.Button"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="3"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_minus"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:backgroundTint="#C33600"

android:textStyle="bold"

android:text="-"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_AC"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="AC"

android:backgroundTint="#B41212"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_0"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="0"

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_point"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="."

android:backgroundTint="#EA12B3A3"

android:textStyle="bold"

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

<com.google.android.material.button.MaterialButton

android:id="@+id/button\_equal"

style="@style/ShapeAppearanceOverlay.Material3.FloatingActionButton"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:backgroundTint="#C33600"

android:textStyle="bold"

android:text="="

android:textcolor="black"

android:textsize="40dp"

app:cornerRadius="500dp" />

</LinearLayout>

</LinearLayout>

</LinearLayout>

</RelativeLayout>

