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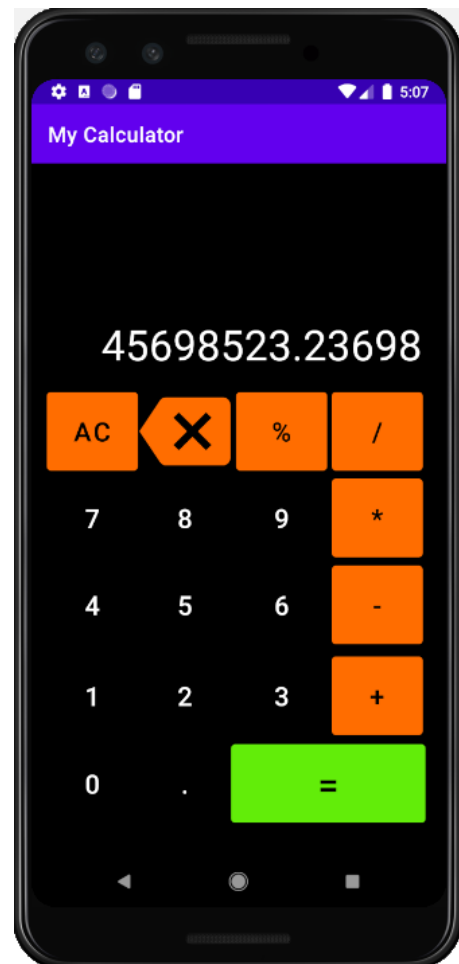
Course : MCS272 Mobile Applications (Lab 02)

Output :

1.UI(Part I)



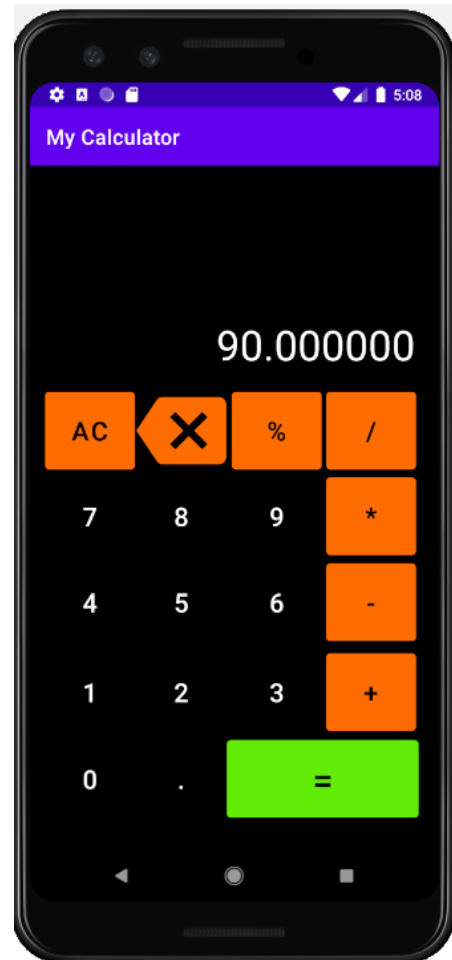
2.UI(Part II)



3.Add(Ques)



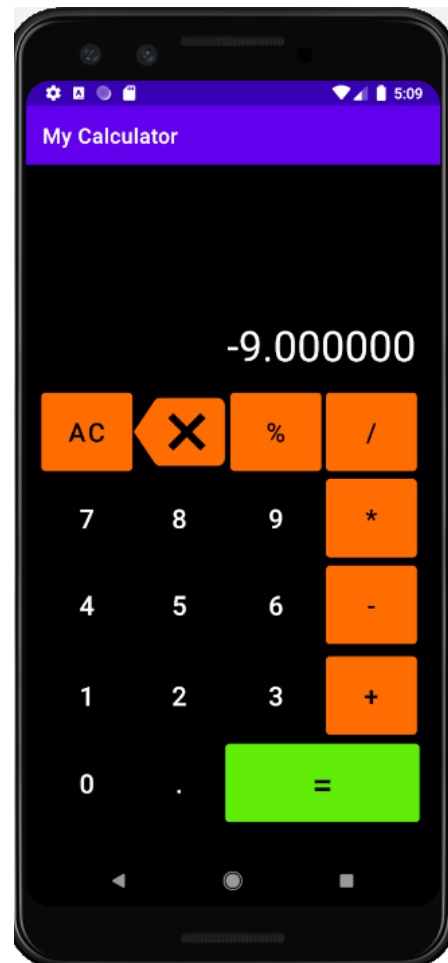
4.Add(Solution)



5.Sub(Ques)



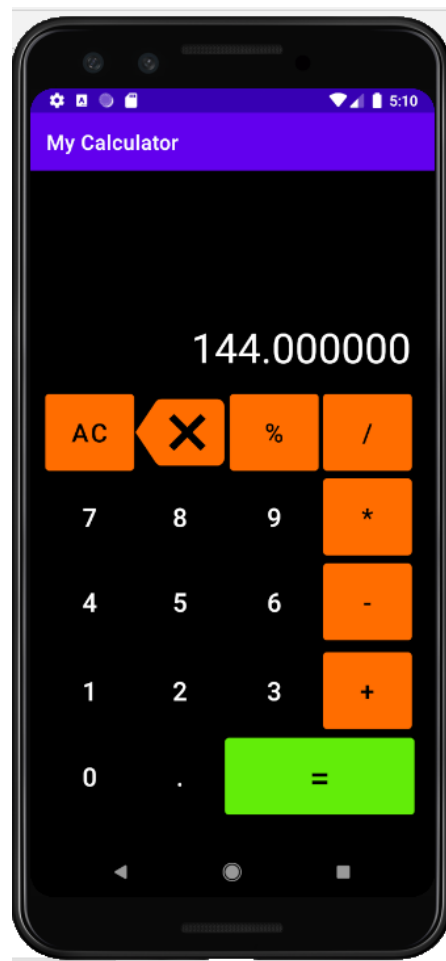
6.Sub(Solution)



7. Multiply(Ques)

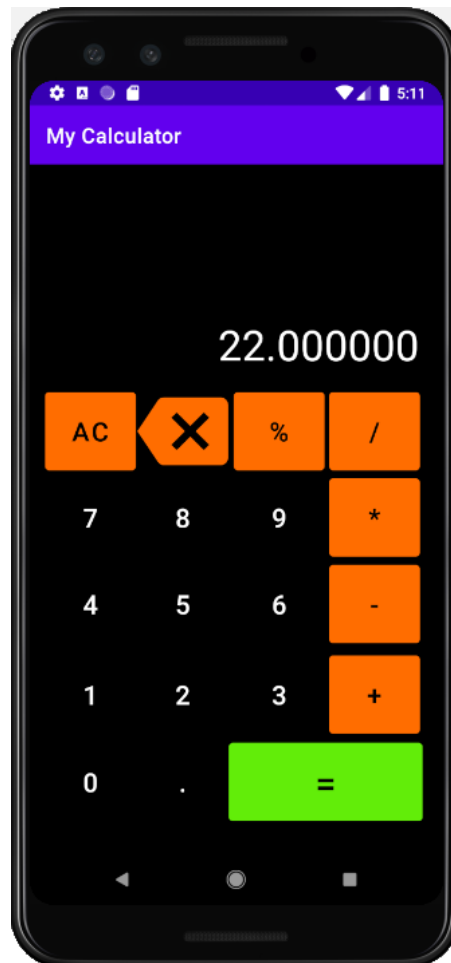


8. Multiply(Solution)



9.Modulous(Ques)

10.Modulous(Solution)



MainActivity.java

```
package com.example.mycalculator;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    private TextView textview1,textview2;
    private double first;
    private double second;
    private double result;
    private String operations;
    private String answer,temp;
    public int val=0;
    private String text="";
    private Button
button1,button2,button3,button4,button5,button6,button7,button8,button9,
button0,buttonPercent,buttonDivide,buttonMultiply,buttonSub,buttonAdd,
buttonDot,buttonEqual,buttonClear,buttonBackSpace;
```

@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
    textView1=(TextView)findViewById(R.id.textView1);  
    textView2=(TextView)findViewById(R.id.textView2);  
    button0=(Button)findViewById(R.id.button0);  
    button1=(Button)findViewById(R.id.button1);  
    button2=(Button)findViewById(R.id.button2);  
    button3=(Button)findViewById(R.id.button3);  
    button4=(Button)findViewById(R.id.button4);  
    button5=(Button)findViewById(R.id.button5);  
    button6=(Button)findViewById(R.id.button6);  
    button7=(Button)findViewById(R.id.button7);  
    button8=(Button)findViewById(R.id.button8);  
    button9=(Button)findViewById(R.id.button9);  
    buttonPercent=(Button)findViewById(R.id.buttonPercent);  
    buttonDivide=(Button)findViewById(R.id.buttonDivide);  
    buttonDot=(Button)findViewById(R.id.buttonDot);  
    buttonMultiply=(Button)findViewById(R.id.buttonMultiply);  
    buttonSub=(Button)findViewById(R.id.buttonSub);  
    buttonBackSpace=(Button)findViewById(R.id.buttonBackSpace);  
    buttonAdd=(Button)findViewById(R.id.buttonAdd);  
    buttonEqual=(Button)findViewById(R.id.buttonEqual);  
    buttonClear=(Button)findViewById(R.id.buttonClear);  
}
```

```
buttonClear.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        textView1.setText(null);  
        textView2.setText(null);  
    }  
});  
button0.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        //      String text;  
        //      text= new  
        StringBuilder().append(textview2.getText().toString()).append(button0.toString()  
        ).toString();  
        //      textView2.setText(text);  
        textView2.setText(textView2.getText()+"0");  
    }  
});  
button1.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        //val=1;  
  
        //temp=Integer.toString(val);  
        //text += temp;  
        //textView2.setText(text);
```



```
        //text = String.format("%s%s", textview2.getText().toString(),
button1.toString());

        //textview2.setText(Integer.toString(val));

        textview2.setText(textview2.getText()+"1");
    }
});

button2.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        //String text="";

//        text=textview2.getText().toString() + button2.toString();
//        textview2.setText(text);

        textview2.setText(textview2.getText()+"2");
    }
});

button3.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

//        String text;
//        text=textview2.getText().toString() + button3.toString();
//        textview2.setText(text);

        textview2.setText(textview2.getText()+"3");
    }
});

button4.setOnClickListener(new View.OnClickListener() {

    @Override
```

```
        public void onClick(View v) {  
//            String text;  
//            text=textview2.getText().toString() + button4.toString();  
//            textview2.setText(text);  
            textview2.setText(textview2.getText()+"4");  
        }  
    });  
    button5.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View v) {  
//            String text;  
//            text=textview2.getText().toString() + button5.toString();  
//            textview2.setText(text);  
            textview2.setText(textview2.getText()+"5");  
        }  
    });  
    button6.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View v) {  
//            String text;  
//            text=textview2.getText().toString() + button6.toString();  
//            textview2.setText(text);  
            textview2.setText(textview2.getText()+"6");  
        }  
    });  
    button7.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
        public void onClick(View v) {
//            String text;
//            text=textview2.getText().toString() + button7.toString();
//            textview2.setText(text);
            textview2.setText(textview2.getText()+"7");
        }
    });
    button8.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
//            String text;
//            text=textview2.getText().toString() + button8.toString();
//            textview2.setText(text);
            textview2.setText(textview2.getText()+"8");
        }
    });
    button9.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
//            String text;
//            text=textview2.getText().toString() + button9.toString();
//            textview2.setText(text);
            textview2.setText(textview2.getText()+"9");
        }
    });
});
```

```
buttonDot.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        //      String text;  
        //      text=textview2.getText().toString()+buttonDot.getText().toString();  
        //      textview2.setText(text);  
        textview2.setText(textview2.getText()+".");  
    }  
});  
buttonBackSpace.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String BackSpace=null;  
        if(textview2.getText().length()>0){  
            StringBuilder stringbuilder=new  
StringBuilder(textview2.getText());  
            stringbuilder.deleteCharAt(textview2.getText().length()-1);  
            BackSpace=stringbuilder.toString();  
            textview2.setText(BackSpace);  
        }  
    }  
});  
/// code of operator  
  
buttonPercent.setOnClickListener(new View.OnClickListener() {  
    @Override
```

```
public void onClick(View v) {  
    String primary;  
    first=Double.parseDouble((String) textView2.getText());  
    primary=String.format("%.2f",first);  
    textView1.setText(primary);  
    textView2.setText("");  
    operations="*";  
}  
});  
buttonSub.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String primary;  
        first=Double.parseDouble((String) textView2.getText());  
        primary=String.format("%.2f",first);  
        textView1.setText(primary);  
        textView2.setText("");  
        operations="-";  
    }  
});  
buttonMultiply.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String primary;  
        first=Double.parseDouble((String) textView2.getText());  
        primary=String.format("%.2f",first);
```

```
        textView1.setText(primary);
        textView2.setText("");
        operations="*";
    }
});
buttonDivide.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        String primary;
        first=Double.parseDouble((String) textView2.getText());
        primary=String.format("%.2f",first);
        textView1.setText(primary);
        textView2.setText("");
        operations="/";
    }
});
buttonAdd.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        String primary;
        first=Double.parseDouble((String) textView2.getText());
        primary=String.format("%.2f",first);
        textView1.setText(primary);
        textView2.setText("");
        operations="+";
    }
});
```

```
});

// code for equal

buttonEqual.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        second=Double.parseDouble((String) textview2.getText());

        if(operations==""){

            result=first+second;

            answer=String.format("%2f",result);

            textview2.setText(answer);

            textview1.setText(null);

        }

        if(operations=="-"){

            result=first-second;

            answer=String.format("%2f",result);

            textview2.setText(answer);

            textview1.setText(null);

        }

        if(operations=="*"){

            result=first*second;

            answer=String.format("%2f",result);

            textview2.setText(answer);

            textview1.setText(null);

        }

        if(operations=="/"){
```

```
        result=first/second;
        answer=String.format("%2f",result);
        textView2.setText(answer);
        textView1.setText(null);
    }
    if(operations=="%"){
        result=first%second;
        answer=String.format("%2f",result);
        textView2.setText(answer);
        textView1.setText(null);
    }
}
});

}
```

Activity_main.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"
    tools:ignore="RtlSymmetry"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#000"
    tools:context=".MainActivity">
```



```
<TextView
    android:id="@+id/textView1"
    android:layout_width="372dp"
    android:layout_height="103dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:gravity="end"
    android:paddingTop="40dp"
    android:paddingEnd="10dp"
    android:paddingRight="10dp"
    android:textAlignment="textEnd"
    android:textColor="#FFFF"
    android:textSize="40sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.41"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.011" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="372dp"
    android:layout_height="103dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
```

```
android:layout_alignParentBottom="true"
android:gravity="end"
android:paddingTop="40dp"
android:paddingEnd="10dp"
android:paddingRight="10dp"
android:textAlignment="textEnd"
android:textColor="#FFFF"
android:textSize="40sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.41"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.189" />
```

<Button

```
android:id="@+id/buttonClear"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#FF6D00"
android:text="@string/ac"
android:textColor="#000"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.335"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.37"
```

```
tools:targetApi="lollipop" />
```

```
<Button
```

```
    android:id="@+id/buttonBackSpace"
    android:layout_width="86dp"
    android:layout_height="86dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:background="@drawable/ic_baseline_backspace_24"
    android:text=""
    android:textColor="#000"
    android:textSize="25sp"
    app:backgroundTint="#FF6D00"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.049"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.37" />
```

```
<Button
```

```
    android:id="@+id/buttonDivide"
    android:layout_width="86dp"
    android:layout_height="86dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:backgroundTint="#FF6D00"
```

```
android:text="@string/divide"
android:textColor="#000"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.929"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.37"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/buttonPercent"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#FF6D00"
android:text="@string/percent"
android:textColor="#000"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.37"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button7"
```

```
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_7"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.049"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.514"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button4"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_4"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.049"
```

```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.658"  
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button0"  
android:layout_width="86dp"  
android:layout_height="86dp"  
android:layout_alignParentStart="true"  
android:layout_alignParentLeft="true"  
android:layout_alignParentTop="true"  
android:layout_alignParentEnd="true"  
android:layout_alignParentRight="true"  
android:layout_alignParentBottom="true"  
android:backgroundTint="#000"  
android:text="@string/_0"  
android:textSize="25sp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.049"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.955"  
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button1"  
android:layout_width="86dp"  
android:layout_height="86dp"  
android:layout_alignParentStart="true"  
android:layout_alignParentLeft="true"  
android:layout_alignParentTop="true"  
android:layout_alignParentEnd="true"  
android:layout_alignParentRight="true"
```

```
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_1"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.049"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.809"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button8"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_8"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.335"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.514"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button5"
```

```
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_5"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.335"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.658"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/buttonDot"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/dot"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.335"
```



```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.955"  
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button2"  
android:layout_width="86dp"  
android:layout_height="86dp"  
android:layout_alignParentStart="true"  
android:layout_alignParentLeft="true"  
android:layout_alignParentTop="true"  
android:layout_alignParentEnd="true"  
android:layout_alignParentRight="true"  
android:layout_alignParentBottom="true"  
android:backgroundTint="#000"  
android:text="@string/_2"  
android:textSize="25sp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.335"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.809"  
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button9"  
android:layout_width="86dp"  
android:layout_height="86dp"  
android:layout_alignParentStart="true"  
android:layout_alignParentLeft="true"  
android:layout_alignParentTop="true"  
android:layout_alignParentEnd="true"  
android:layout_alignParentRight="true"
```

```
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_9"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.514"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button6"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_6"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.658"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/buttonEqual"
```

```
android:layout_width="184dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#62ED09"
android:text="@string/equal"
android:textColor="#000"
android:textSize="35sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.907"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.955"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button3"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#000"
android:text="@string/_3"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintHorizontal_bias="0.633"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.809"  
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/buttonMultiply"  
android:layout_width="86dp"  
android:layout_height="86dp"  
android:layout_alignParentStart="true"  
android:layout_alignParentLeft="true"  
android:layout_alignParentTop="true"  
android:layout_alignParentEnd="true"  
android:layout_alignParentRight="true"  
android:layout_alignParentBottom="true"  
android:backgroundTint="#FF6D00"  
android:text="@string/multiply"  
android:textColor="#000"  
android:textSize="25sp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.929"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.514"  
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/buttonSub"  
android:layout_width="86dp"  
android:layout_height="86dp"  
android:layout_alignParentStart="true"  
android:layout_alignParentLeft="true"  
android:layout_alignParentTop="true"
```

```
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#FF6D00"
android:text="@string/sub"
android:textColor="#000"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.929"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.658"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/buttonAdd"
android:layout_width="86dp"
android:layout_height="86dp"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_alignParentBottom="true"
android:backgroundTint="#FF6D00"
android:text="@string/add"
android:textColor="#000"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.929"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.809"
```

```
tools:targetApi="lollipop" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```