

Mobile application development(CSE 3075)

Experiment 1: Calculator App

20211CSE0223

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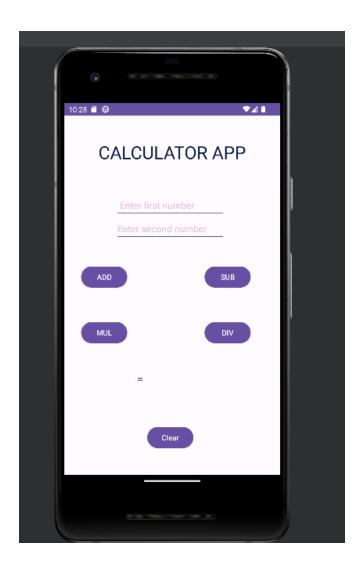
5CSE4

1.Design (XML File)

```
<androidx.constraintlayout.widget.ConstraintLayout</pre>
    <TextView
        android:text="CALCULATOR APP"
        app:layout constraintTop toTopOf="parent" />
   <EditText
    <EditText
        android:ems="10
```

```
android:textColor="@android:color/system_accent1_700"
    android:textColorHint="@color/material_dynamic_primary30"
    android:textSize="20sp"
    app:layout_constraintEnd_toEndOf="@+id/textView"
    app:layout_constraintStart_toStartOf="@+id/button2"

app:layout_constraintTop_toBottomOf="@+id/button2" />
    </androidx.constraintlayout.widget.ConstraintLayout>
```



2.Code (JAVA File)

```
package com.example.calculator;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
```

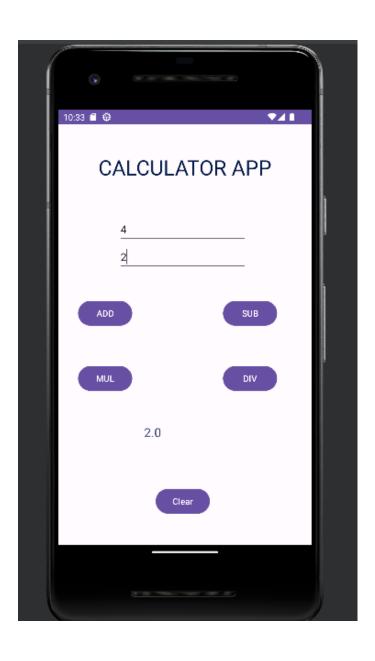
```
EditText ed1, ed2;
    @Override
        super.onCreate(savedInstanceState);
                n1=Double.parseDouble(ed1.getText().toString());
                n2=Double.parseDouble(ed2.getText().toString());
                tv1.setText(Double.toString(res));
                Toast.makeText(MainActivity.this, res.toString(),
Toast.LENGTH LONG).show();
            @Override
                n1=Double.parseDouble(ed1.getText().toString());
                n2=Double.parseDouble(ed2.getText().toString());
                tv1.setText(Double.toString(res));
        btn3.setOnClickListener(new View.OnClickListener() {
                n1=Double.parseDouble(ed1.getText().toString());
                tv1.setText(Double.toString(res));
                tv1.setText(Double.toString(res));
```

3. Output in the emulator

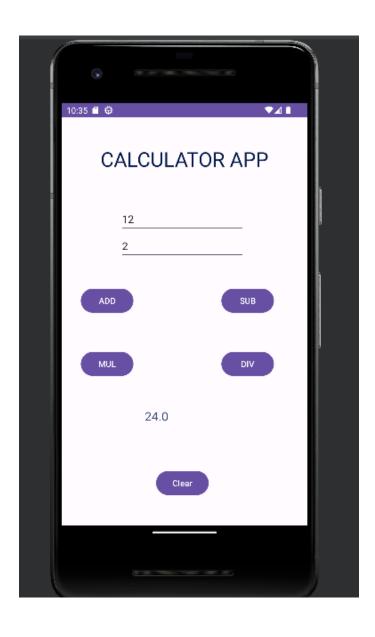
i)ADD



ii)SUBTRACT



iii)MULTIPLY



iv)DIVIDE

