## PROGRAM - 1

## **XML FILE**

```
<LinearLayout
   android:orientation="vertical"
   android:layout height="fill parent"
   android:weightSum="1">
   <LinearLayout
            android:inputType="numberDecimal">
       </EditText>
        <EditText
            android:inputType="numberDecimal">
        </EditText>
   <LinearLayout
       </Button>
       </Button>
            android:layout width="match parent"
```

```
android:layout_weight="1"
    android:text="*"
    android:textSize="8pt"
    android:id="@+id/btnMult">
    </Button>
    <Button
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:layout_weight="1"
        android:text="."
        android:textSize="8pt"
        android:id="@+id/btnDiv">
        </Button>
        </LinearLayout>
        <TextView
        android:layout_meight="wrap_content"
        android:layout_midth="match_parent"
        android:layout_marginLeft="5pt"
        android:layout_marginRight="5pt"
        android:textSize="12pt"
        android:layout_marginTop="3pt"
        android:id="@+id/tvResult"
        android:id="@+id/tvResult"
        android:layout_weight="0.07">
        </TextView>
        </LinearLayout>
```

## **JAVA FILE**

```
package com.example.calculatorl;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener{

EditText etNum1;
EditText etNum2;

Button btnAdd;
Button btnSub;
Button btnMult;
Button btnDiv;

TextView tvResult;

String oper = "";

/** Called when the activity is first created. */
@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
}
```

```
setContentView(R.layout.activity_main);
btnAdd = (Button) findViewById(R.id.btnAdd);
btnSub = (Button) findViewById(R.id.btnSub);
btnDiv.setOnClickListener(this);
num1 = Float.parseFloat(etNum1.getText().toString());
num2 = Float.parseFloat(etNum2.getText().toString());
```

```
// form the output line
    tvResult.setText(num1 + " " + oper + " " + num2 + " = " + result);
}
```

## **OUTPUT**

