PROGRAM1

Program 1. Create a Simple Calculator for demonstrating the basic arithmetic operations (+, -, *, /)

Activity_main.xml

```
<LinearLayout
   android:orientation="vertical"
       <EditText
           android:layout marginRight="5pt"
           android:inputType="numberDecimal">
       </EditText>
        <EditText
            android:inputType="numberDecimal">
       </EditText>
   </LinearLayout>
   <LinearLayout
       </Button>
           android:text="
```

MainActivity.java

```
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 btnAdd;
Button btnMult;
Button btnDiv;

TextView tvResult;
```

```
etNum1 = (EditText) findViewById(R.id.etNum1);
etNum2 = (EditText) findViewById(R.id.etNum2);
btnAdd = (Button) findViewById(R.id.btnAdd);
btnSub = (Button) findViewById(R.id.btnSub);
if (TextUtils.isEmpty(etNum1.getText().toString())
          || TextUtils.isEmpty(etNum2.getText().toString())) {
num2 = Float.parseFloat(etNum2.getText().toString());
```

```
oper = "/";
    result = num1 / num2;
    break;
    default:
        break;
}

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

OUTPUT

