```java
package com.example.mybasiccalapplication;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {

    EditText op1,op2;
    Button btnadd,btnsub,btnmul,btndiv,btnclr;
    TextView txtresult;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        op1=(EditText) findViewById(R.id.op1);
        op2=(EditText) findViewById(R.id.op2);

        btnadd=(Button) findViewById(R.id.add);
        btnsub=(Button) findViewById(R.id.sub);
        btnmul=(Button) findViewById(R.id.mul);
        btndiv=(Button) findViewById(R.id.div);
        btnclr=(Button) findViewById(R.id.clr);

        txtresult=(TextView) findViewById(R.id.result);

        btnadd.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(op1.getText().length()>0&&op2.getText().
length()>0)
                {
                    double oper1=Double.parseDouble(op1.getText
().toString());
                    double oper2=Double.parseDouble(op2.getText
().toString());
                    double result=oper1+oper2;

                    txtresult.setText(Double.toString(result));
                }
                else {
```

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46                      Toast.makeText(MainActivity.this,"Enter
   required Number",Toast.LENGTH_LONG).show();
47                  }
48              }
49          });
50
51          btnsub.setOnClickListener(new View.OnClickListener() {
52              @Override
53              public void onClick(View view) {
54                  if(op1.getText().length()>0&&op2.getText().
   length()>0)
55                  {
56                      double oper1=Double.parseDouble(op1.getText
   ().toString());
57                      double oper2=Double.parseDouble(op2.getText
   ().toString());
58                      double result=oper1-oper2;
59
60                      txtresult.setText(Double.toString(result));
61                  }
62                  else {
63                      Toast.makeText(MainActivity.this,"Enter
   required Number",Toast.LENGTH_LONG).show();
64                  }
65              }
66          });
67
68          btnmul.setOnClickListener(new View.OnClickListener() {
69              @Override
70              public void onClick(View view) {
71                  if(op1.getText().length()>0&&op2.getText().
   length()>0)
72                  {
73                      double oper1=Double.parseDouble(op1.getText
   ().toString());
74                      double oper2=Double.parseDouble(op2.getText
   ().toString());
75                      double result=oper1*oper2;
76
77                      txtresult.setText(Double.toString(result));
78                  }
79                  else {
80                      Toast.makeText(MainActivity.this,"Enter
   required Number",Toast.LENGTH_LONG).show();
81                  }
82              }
83          });
84
```

```
 85          btndiv.setOnClickListener(new View.OnClickListener() {
 86              @Override
 87              public void onClick(View view) {
 88                  if(op1.getText().length()>0&&op2.getText().
    length()>0)
 89                  {
 90                      double oper1=Double.parseDouble(op1.
    getText().toString());
 91                      double oper2=Double.parseDouble(op2.
    getText().toString());
 92                      double result=oper1/oper2;
 93
 94                      txtresult.setText(Double.toString(result
    ));
 95                  }
 96                  else {
 97                      Toast.makeText(MainActivity.this,"Enter
    required Number",Toast.LENGTH_LONG).show();
 98                  }
 99              }
100          });
101
102          btnclr.setOnClickListener(new View.OnClickListener() {
103              @Override
104              public void onClick(View view) {
105                  op1.setText("");
106                  op2.setText("");
107                  op1.requestFocus();
108                  txtresult.setText("0.00");
109
110              }
111          });
112
113      }
114  }
```