```java
  1 package me.jamiepeterson.a12calculator;
  2
  3 import android.support.v7.app.AppCompatActivity;
  4 import android.os.Bundle;
  5 import android.widget.Button;
  6 import android.view.View;
  7 import android.widget.EditText;
  8 import android.widget.TextView;
  9
 10 public class MainActivity extends AppCompatActivity {
 11
 12     @Override
 13     protected void onCreate(Bundle savedInstanceState) {
 14         super.onCreate(savedInstanceState);
 15         setContentView(R.layout.activity_main);
 16
 17         //Addition Button
 18         Button addition = (Button)findViewById(R.id.addition);
 19         AdditionHandler tempA = new AdditionHandler();
 20         addition.setOnClickListener(tempA);
 21
 22         //Subtraction Button
 23         Button subtraction = (Button)findViewById(R.id.subtraction);
 24         SubtractionHandler tempS = new SubtractionHandler();
 25         subtraction.setOnClickListener(tempS);
 26
 27         //Multiplication Button
 28         Button multiplication = (Button)findViewById(R.id.multiplication);
 29         MultiplicationHandler tempM = new MultiplicationHandler();
 30         multiplication.setOnClickListener(tempM);
 31
 32         //Division Button
 33         Button division = (Button)findViewById(R.id.division);
 34         DivisionHandler tempD = new DivisionHandler();
 35         division.setOnClickListener(tempD);
 36
 37     }
 38
 39     //Addition
 40     private class AdditionHandler implements View.OnClickListener{
 41         public void onClick(View v){
 42             //Get EditTexts
 43             EditText entry1 = (EditText)findViewById(R.id.Entry1);
 44             EditText entry2 = (EditText)findViewById(R.id.Entry2);
 45
 46             //Get Strings
 47             String string1 = entry1.getText().toString();
 48             String string2 = entry2.getText().toString();
 49
 50             //Get floats
 51             float float1 = Float.parseFloat(string1);
 52             float float2 = Float.parseFloat(string2);
 53
 54             //Calculate Answer
```

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55              float answer = float1 + float2;
56
57              //Get TextView
58              TextView output = (TextView)findViewById(R.id.output);
59
60              //Show Answer
61              output.setText(answer + "");
62          }
63      }
64
65      //Subtraction
66      private class SubtractionHandler implements View.OnClickListener{
67          public void onClick(View v){
68              //Get EditTexts
69              EditText entry1 = (EditText)findViewById(R.id.Entry1);
70              EditText entry2 = (EditText)findViewById(R.id.Entry2);
71
72              //Get Strings
73              String string1 = entry1.getText().toString();
74              String string2 = entry2.getText().toString();
75
76              //Get floats
77              float float1 = Float.parseFloat(string1);
78              float float2 = Float.parseFloat(string2);
79
80              //Calculate Answer
81              float answer = float1 - float2;
82
83              //Get TextView
84              TextView output = (TextView)findViewById(R.id.output);
85
86              //Show Answer
87              output.setText(answer + "");
88          }
89      }
90
91      //Multiplication
92      private class MultiplicationHandler implements View.OnClickListener{
93          public void onClick(View v){
94              //Get EditTexts
95              EditText entry1 = (EditText)findViewById(R.id.Entry1);
96              EditText entry2 = (EditText)findViewById(R.id.Entry2);
97
98              //Get Strings
99              String string1 = entry1.getText().toString();
100             String string2 = entry2.getText().toString();
101
102             //Get floats
103             float float1 = Float.parseFloat(string1);
104             float float2 = Float.parseFloat(string2);
105
106             //Calculate Answer
107             float answer = float1 * float2;
108
```

```java
109              //Get TextView
110              TextView output = (TextView)findViewById(R.id.output);
111
112              //Show Answer
113              output.setText(answer + "");
114          }
115      }
116
117      //Division
118      private class DivisionHandler implements View.OnClickListener{
119          public void onClick(View v){
120              //Get EditTexts
121              EditText entry1 = (EditText)findViewById(R.id.Entry1);
122              EditText entry2 = (EditText)findViewById(R.id.Entry2);
123
124              //Get Strings
125              String string1 = entry1.getText().toString();
126              String string2 = entry2.getText().toString();
127
128              //Get floats
129              float float1 = Float.parseFloat(string1);
130              float float2 = Float.parseFloat(string2);
131
132              //Calculate Answer
133              float answer = float1 / float2;
134
135              //Get TextView
136              TextView output = (TextView)findViewById(R.id.output);
137
138              //Show Answer
139              output.setText(answer + "");
140          }
141      }
142 }
143
```