

FahrenheitCelsiusConverter.java

```
package com.minich.FahrenheitCelsiusConverter;

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

public class FahrenheitCelsiusConverter extends Activity
{
    private EditText txtFahrenheit;
    private TextView txtCelsius;
    private Button btnConvert;
    private Button btnReset;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);

        txtFahrenheit = (EditText) findViewById(R.id.txtFahrenheit);
        txtCelsius = (TextView) findViewById(R.id.txtCelsius);
        btnConvert = (Button) findViewById(R.id.btnConvert);
        btnReset = (Button) findViewById(R.id.btnReset);

        btnConvert.setOnClickListener(new Button.OnClickListener()
        {
            public void onClick(View v)
            {
                calculate();
            }
        });

        btnReset.setOnClickListener(new Button.OnClickListener()
        {
            public void onClick(View v)
            {
                reset();
            }
        });
    }

    private void calculate()
    {
        double degreesFahrenheit = Double.parseDouble(txtFahrenheit.getText().toString());
        double degreesCelsius = (degreesFahrenheit - 32) * 5./9.;
        txtCelsius.setText(Double.toString(degreesCelsius));
    }

    private void reset()
    {
        txtFahrenheit.setText("");
        txtCelsius.setText("");
    }
}
```