

```
//
// ContentView.swift
// SWIFT CUP
//
// Created by Maryna Sunko on 2/16/24.
//
```

```
import SwiftUI
```

```
struct ContentView: View {
```

```
    @State private var celsius:
    Double=0.0
    @State private var fahrenheit:
    Double = 0.0
    @State private var sugarCupGr:
    Double = 0.0
    @State private var sugarCupOz:
    Double = 0.0
    @State private var flourCupGr:
    Double = 0.0
    @State private var flourCupOz:
    Double=0.0
    @State private var sugarGr:
    Double = 0.0
    @State private var sugarOz:
    Double = 0.0
    @State private var flourGr:
    Double = 0.0
    @State private var flourOz:
    Double=0.0
    /*
    make boolean if Celius
    if true convert celuis to F
    if false convert F to C
    */
```

```
//     var fahrenheit: Double {
```

```
//         if let celsiumValue =
//             Double (celsium){
//             return celsiumValue*9/5+32
//         }
//         } else{
//             return 0
//         }
//     }
```

```
//      private var : String = ""
//      private var: String = ""
```

```
func convert() {
    fahrenheit = (celsius*9/5) + 32
}
func convertC(){
    celsius = (fahrenheit - 32)*5/9
}
func convertSugarGr(){
    sugarCupGr = sugarGr/200
}
func convertSugarOz(){
    sugarCupOz = sugarOz/8.9
}
func convertFlourOz(){
    flourCupOz = flourOz/6.5
}
func convertFlourGr(){
    flourCupGr = flourGr/160
}
var body: some View {
```

```
VStack {
```

```
    //
    }
    HStack{
        Text ("CUP to CAKE")
            .fontWeight(.ultraLight)
            .foregroundColor(Color.red)
            .padding(.bottom,80)
            .font(/*@START_MENU_TOKEN@*/.title/
*@END_MENU_TOKEN@*/)
    }
    // PERERASCHEN C F
    HStack{
```

```
        TextField ("C", value:$celsius, formatter:
            NumberFormatter())
            .foregroundColor(/*@START_MENU_TOKEN@*/.blue/
*@END_MENU_TOKEN@*/)
            .padding()
            .overlay(RoundedRectangle(cornerRadius: 4.0)
                .stroke (Color.gray, lineWidth:1)
                .frame(width: 60, height: 30)
            )
        Button("C -> F"){
            fahrenheit = (celsius*9/5) + 32
        }
            .foregroundColor(.black)
```

```

        .frame(width: 180, height: 20)
        .font(.title)
        .padding()
        .background(Color.red)
        .cornerRadius(25)
        Button ("\"(fahrenheit, specifier: "%.2f") F") {

```

```

        }
        .padding()
    }

```

```

//          PERERASCHET F  C

```

```

HStack{

```

```

    TextField ("F", value:$fahrenheit, formatter:
        NumberFormatter())
        .padding()
        .overlay(RoundedRectangle(cornerRadius: 4.0)
            .stroke (Color.gray, lineWidth:1)
            .frame(width: 60, height: 30)
        )
        .foregroundColor(/*@START_MENU_TOKEN@*/.blue/
/*@END_MENU_TOKEN@*/)
    Button("F -> C"){
        celsius = (fahrenheit - 32)*5/9

```

```

    }
    .foregroundColor(.black)
    .frame(width: 180, height: 20)
    .font(.title)

```

```

        .padding()
        .background(Color.red)
        .opacity(0.4)
        .cornerRadius(25)

```

```

        Button ("\"(celsius, specifier: "%.2f") C") {

```

```

        }
        .padding()

```

```

//          PERERASCHET SUGAR GR – CUP

```

```

    }
    Spacer()
    HStack{

```

```

        TextField (" gr", value:$sugarGr, formatter:
            NumberFormatter())

```

```

        .padding()
        .overlay(RoundedRectangle(cornerRadius: 4.0)
            .stroke (Color.gray, lineWidth:1)
            .frame(width: 60, height: 30)
        )
        //          .frame(width: 90, height: 20)
        //          .background(.yellow)
        //          .opacity(0.2)
        //          .cornerRadius(25)
        .foregroundColor(/*@START_MENU_TOKEN@*/.blue/
*@END_MENU_TOKEN@*/)
        Button("SUGAR GR"){

```

```

            sugarCupGr = (sugarGr/200)
        }
        .foregroundColor(.black)
        .frame(width: 180, height: 20)
        .font(.title)
        .padding()
        .background(Color.yellow)
        .cornerRadius(25)
        Button ("\"(sugarCupGr, specifier: "%.2f") CUP") {

```

```

    }

```

```

HStack{

```

```

        TextField ("oz", value:$sugarOz, formatter:
            NumberFormatter())
        .foregroundColor(/*@START_MENU_TOKEN@*/.blue/
*@END_MENU_TOKEN@*/)
        .padding()
        .overlay(RoundedRectangle(cornerRadius: 4.0)
            .stroke (Color.gray, lineWidth:1)
            .frame(width: 60, height: 30)
        )
        Button("SUGAR OZ"){
            sugarCupOz = (sugarOz/6.5)
        }
        .foregroundColor(.black)
        .frame(width: 180, height: 20)
        .font(.title)
        .padding()
        .background(Color.yellow)

```

```
.opacity(0.4)
.cornerRadius(25)
Button ("\sugarCup0z, specifier: "%.2f") CUP" {
```

```
}
}
```

```
Spacer()
```

```
HStack{
```

```
    TextField ("gr", value:$flourGr, formatter:
        NumberFormatter())
        .foregroundColor(/*@START_MENU_TOKEN@*/.blue/
/*@END_MENU_TOKEN@*/)
        .padding()
        .overlay(RoundedRectangle(cornerRadius: 4.0)
            .stroke (Color.gray, lineWidth:1)
            .frame(width: 60, height: 30)
        )
    Button("FLOUR GR"){
        flourCupGr = flourGr/160
    }
    .foregroundColor(.black)
    .frame(width: 180, height: 20)
    .font(.title)
    .padding()
    .background(Color.blue)
    .cornerRadius(25)
    Button ("\flourCupGr, specifier: "%.2f") CUP" {
```

```
}
```

```
}
```

```
HStack{
```

```
    TextField ("oz", value:$flour0z, formatter:
        NumberFormatter())
        .foregroundColor(/*@START_MENU_TOKEN@*/.blue/
/*@END_MENU_TOKEN@*/)
        .padding()
        .overlay(RoundedRectangle(cornerRadius: 4.0)
            .stroke (Color.gray, lineWidth:1)
```

```

        .frame(width: 60, height: 30)
    )
    Button("FLOUR OZ"){
        flourCupOz = (flourOz/6.5)
    }
    .foregroundColor(.black)
    .frame(width: 180, height: 20)
    .font(.title)
    .padding()

```

```

    .background(Color.blue)
    .opacity(0.4)
    .cornerRadius(25)
    Button ("\($flourCupOz, specifier: "%.2f") CUP") {

```

```

    }
    Spacer()
}

```

```

ZStack{

```

```

    Image("cup")
    .resizable()
    .frame(width: 250, height: 180)
    .padding(.vertical)
    VStack{
        Text("1C = 32F")
        Text("1 lb = 0.454 kg")
        Text ("1 oz = 29.574 ml")
    }
    .padding(.trailing,50)
}

```

```

//text: $celsius)
//      .textFieldStyle(RoundedBorderTextFieldStyle())
//      .padding()
//      Spacer()
////      Text ("Fahrenheit:\(String(format: "%.2f", fahrenheit))")

```

```

//      .padding()4f

```

```

//      .padding ()

```

```

//struct ContentView_Previews:
//    PreviewProvider {
//        static var previews: some View {
//            ContentView()
//        }
//    }
//}
#Preview {
    ContentView()

```

