```swift
//
//  ViewController.swift
//  practical4
//
//  Created by TONY MIKAELSON on 14/02/24.
//

import UIKit

class ViewController: UIViewController {

    let numberFormatter: NumberFormatter = {
        let nf = NumberFormatter()
        nf.numberStyle = .decimal
        nf.minimumFractionDigits = 0
        nf.maximumFractionDigits = 1
        return nf
    }()

    @IBOutlet var celsiusLabel : UILabel!
    @IBOutlet var farenheitInputField : UITextField!

    func updateCelsiusLabel() {
        if let celsiusValue = celsiusValue {celsiusLabel.text =
         numberFormatter.string(from: NSNumber(value: celsiusValue.value))
        } else {
            celsiusLabel.text = "???"
        }
    }

    var fahrenheitValue: Measurement<UnitTemperature>? {
        didSet {
            updateCelsiusLabel()
        }
    }
    var celsiusValue: Measurement<UnitTemperature>? {
    if let fahrenheitValue = fahrenheitValue {
        return fahrenheitValue.converted(to: .celsius)
        } else {
            return nil
        }
    }

    @IBAction func conversion(_ textField: UITextField) {
    if let text = textField.text, let value = Double(text) {
        fahrenheitValue = Measurement(value: value, unit: .fahrenheit)
            } else {
                fahrenheitValue = nil
            }
    }

    @IBAction func dismissKeyboard(_ sender: UITapGestureRecognizer) {
        farenheitInputField.resignFirstResponder()
    }
```

```
    override func viewDidLoad() {
        super.viewDidLoad()
        updateCelsiusLabel()
        // Do any additional setup after loading the view.
    }


}
```