

Lab 2 – Exercise 3

Temperature Conversion

GIVENS : *(none)*

RESULT : (*none*)

INTERMEDIATES : fahrenheit (temperature in Fahrenheit)
celcius (temperature in Celsius)

HEADER :: main()

BODY :

```
Print( "Enter a temperature in degrees Fahrenheit: ")
```

```
fahrenheit ← ReadReal()
```

$$\text{celcius} \leftarrow \text{caculateCelcius}(f)$$

```
PrintLine("The temperature in degrees Celsius is ", celcius)
```

GIVENS : temperatureF (*temperature in Fahrenheit*)

RESULT : temperatureC (*temperature in Celsius*)

HEADER : temperatureC $\leftarrow$ calculateCelcius(temperatureF)

BODY :

```
temperatureC ← (temperatureF – 32.0) x 5.0/9.0
```