

# Tuples

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## Overview

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This independent lab demonstrates various tuple features.

## Instructions

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- Create a new console project (in your current solution).
  - Name the project *TuplesLab*
- Create a public static class named *TemperatureConverter*
- Add these functions
  - FromCelcius(double val)
  - FromFahrenheit(double val)
  - FromKelvin
- Each function should return a tuple containing the values of the other temperature scales. For instance, *FromCelcius* should return the F° and K° values
- In *Program.cs* demonstrate each function with several examples
- Show both deconstructed values and the inbuilt tuple *ToString* method

## Formulas

To get K from C, add 273.15 to the C value

To get F from C,  $F = (C \times 9/5) + 32$

To get C from F,  $C = (F - 32) \times 5/9$