

P1 Temp Conversion

Roles:

Kyrrah Nork (early)app design, project management (late)code, visual

Jeanine Mars (early)visual design (late)code, visual

James Carroll (early)formulas (late)code, visual

Link to conversions <http://www.allmeasures.com/temperature.html>

IPO:

- 1) Input: Take in a degree
- 2) Processing: Check for valid input, calculate the conversion
- 3) Output: Display the conversion

Fahrenheit to Celsius: $^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$ [ex. 32F = 0C]

Celsius to Fahrenheit: $^{\circ}\text{F} = 9/5 (^{\circ}\text{C}) + 32$ [ex. 100C = 212F]

Fahrenheit to Kelvin: $\text{K} = 5/9 (^{\circ}\text{F} - 32) + 273.15$ [ex. 32F = 273.15K]

Kelvin to Fahrenheit: $\text{F} = (\text{K} - 273.15) 9/5 + 32$ [ex. 273.15K = 32F]

Celsius to Kelvin: $\text{K} = \text{C} + 273.15$ [ex. 0C = 273.15K]

Kelvin to Celsius: $\text{C} = \text{K} - 273.15$ [ex. 273.15K = 0C]

Code Share:

<https://codeshare.io/2j4noA>

Link to our github repos

https://github.com/kyrrahnork/ITC-250/tree/master/homework_wk1

6/28/17

All worked for 15 mins on ideas and arranging meeting time

6/29/17

(Kyrrah) worked with James and Jeanine on all aspects of code and design. James drove while I navigated for 1.5 hrs. I drove while James navigated for 1.5 hours.

(James) worked with the team for 1.5 hrs to get the code to perform the basic requirements then another 1.5 hrs to get the extra work and add some style.