



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

Informatica

Modulo di Programmazione

INFORMATICA
MODULO DI PROGRAMMAZIONE
GETTING STARTED WITH C++

mauro.pelucchi@gmail.com

Mauro Pelucchi

2023/2024

Homework

Temperature Converter

- Write a program that takes in three arguments, a start temperature (in Celsius), an end temperature (in Celsius) and a step size.
- Print out a table that goes from the start temperature to the end temperature, in steps of the step size; you do not actually need to print the final end temperature if the step size does not exactly match.
- You should perform input validation: do not accept start temperatures less than a lower limit (which your code should specify as a constant) or higher than an upper limit (which your code should also specify).
- You should not allow a step size greater than the difference in temperatures

```
Please give in a lower limit, limit >= 0: 10
Please give in a higher limit, 10 > limit <= 50000: 20
Please give in a step, 0 < step <= 10: 4
```

Celsius	Fahrenheit
-----	-----
10.000000	50.000000
14.000000	57.200000
18.000000	64.400000