Introduction to:
Computers & Programming:
Exercises Using:

(the print function
and
Mathematical Operators
and
Data Types)

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Exercise 1 to 3

1. What are some simple ways to print the same thing 3 times, with a space in between each instance? Let's assume one variable as input to the function `print_3_times`.

2. What is a simple way to print the same thing 3 times, each on a newline?

3. How would you convert an arbitrary temperature from Fahrenheit to Celsius?
Exercise 4

• Given
  – Today's date:
    • Month, day, year, and day of the week
  – A list of the next 5 leap years
  – A number of days in the future between 1 and 1500

• How should we go about identifying that day in the future?
  – Month, day, year and day of the week
How Can We Solve This Problem?

1. Write Out the Algorithm
   a) What is the order in which we should calculate the different attributes (year, month, day, day-of-the-week)?
   b) Are all calculation dependent on each other or are any independent of the others?

2. Implement this algorithm
   a) Let's write several functions to codify parts of the problem.
   b) These pieces can correspond to individual parts of the algorithm.