

## CMSC21 Lab Exercise 14 – Number ranges

Create the following functions. Don't forget the design recipe! I'll be looking for the following:

- Signature, purpose, stub
  - Examples
  - Template
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1. Design a function that determines the least common multiple of a given pair of integers.
  2. Given a positive integer  $n$ , design a function that prints a list of the first  $n$  cubes assuming 1 is the first cube. Sample:  $n = 4$ , output: 1, 8, 27, 64 (because  $1*1*1$  is 1,  $2*2*2$  is 8,  $3*3*3$  is 27 and  $4*4*4$  is 64).
  3. Design a function that determines whether a number is prime. A number is prime if it does not have factors other than 1 and itself.