**Exercise 4**

Problem 5 from Project Euler:

2,520 is the smallest number that can be divided by each of the numbers from 1 to 10 without any remainder.

Write a Python program using for and range to calculate the smallest positive number that is evenly divisible by all of the numbers from 1 to 20.

# Oilbhe Daszynska, 2018-02-25

# problem 5 from Project Euler

# adapted from http://www.mathblog.dk/project-euler-problem-5/

j = 2520

for i in range(1, 21):

a, b = j, i

while b:

a, b = b, a % b

j \*= i // a

print("The smallest number divisible by all numbers from 1 to 20 is:", j)

Solution:

