P3. Write a program to compute a multiplication product,

$$Prod = \prod_{i=1}^{N} x_i = x_1 \cdot x_2 \cdot x_3 \cdots x_N.$$

That is to ask a user for (1) a number of values to compute N, (\geq) get each value and multiply the value to the product for N times (do loop for input and multiplication), (3) report the calculation.

Use the P3 template. (P3_template.py. The template is only to ensure the exact display format and allows smooth auto-grading.)

Example 1: Number of values:4 value:0.5 value:3 value:1.2 value:4 Product = 7.20

Hint: c.f. summation:Summation $\sum_{i=1}^{N} x_i$ v.s. Product $\prod_{i=1}^{N} x_i$ (1) Set sum = 0 before the loopv.s. prod = 1 before the loop;(2) Each iteration, sum = sum + xv.s. each iteration prod = prod * x.

Here is P3_template.py

Write a program to compute a multiplication product. That is to ask a user for (1) a number of values to compute N, (2) get each value and multiply the value to the product for N times (do loop for input and multiplication), (3) report the calculation. """ prod = 1 # Write your code here # Do not edit below this line print('Product = {:,.2f}'.format(prod))