Summation notation 1+2+3+4+5 N

$$\sum_{i}^{N} = \chi_{0} + \chi_{1} + \chi_{2} \cdots \chi_{N}$$

$$\begin{array}{ll}
3 \\
\leq x_i = X_0 + x_1 + x_1 + x_3 \\
\text{Signature} \\
= 0 + 1 + 2 + 3 \\
= 6
\end{array}$$

$$\sum_{i=1}^{N=4} x_i^2 = x_1^2 + x_1^2 + x_2^2 + x_3^2 + x_4^2$$

$$= 1^2 + 2^2 + 3^2 + 4^2$$

$$= 1 + 4 + 9 + 16$$

$$\sum_{i=2}^{N=4} (x_i - i)^3 = (x_2 - i)^3 + (x_3 - i)^3 + (x_4 - i)^3$$

$$= (x_2 - i)^3 + (x_3 - i)^3 + (4 - i)^3$$

E Maxims

What are input + ootput types?
What variable will you return?
What variable will you return?
How do you handle the simplest case?
Can you general ite?