

Write a program to calculate the variance and standard deviation of N numbers.

$$\text{Variance} = \frac{1}{N} \sum_{i=1}^N (x_i - \bar{x})^2$$

$$\text{Standard Deviation} = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \bar{x})^2}$$

$$\text{where } \bar{x} = \frac{1}{N} \sum_{i=1}^N x_i$$