In this assignment, you will implement one-tailed t-test by modifying the Python script in section 7.4.1 of the following book.

- AI Science OU. (2021). Statistics Crash Course for Beginners. Packt Publishing. (link)

Requirement

Input:
- an input file called "input.txt" that contains the confidence level (or significance level) in the first line and a collection of numbers from the second line, one in each line.

Output:
- Sample Mean:
- Sample Standard Deviation:
- T test value:
- p value:
- T critical value:
- Result of the hypothesis testing (I.e., the null hypothesis is rejected or not rejected)