

Please implement the following two programs and submit your reports with student's ID and name. Compress your program and reports as a file and named it with your student ID.

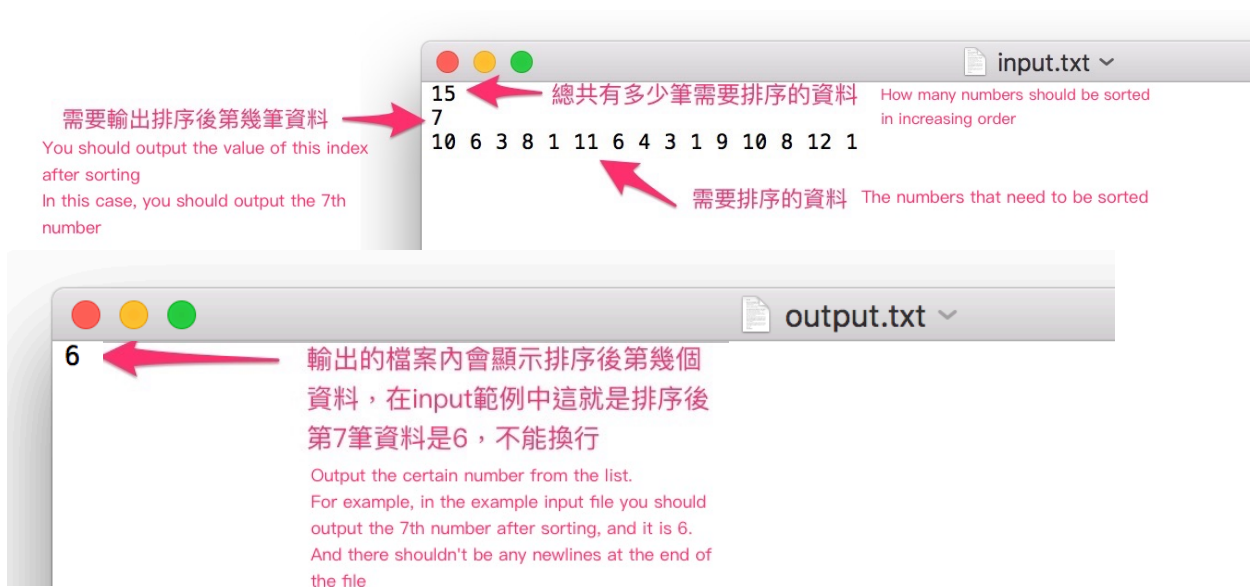
一、Insertion sort

1. Implement an insertion sort program

Input : input.txt

Output : output.txt

The name of the program should be named as studentID__insertion_sort.c/.cpp



輸入一個數字 k ，然後輸出第 k 小的數字。Input an index k and output the k th smallest number from your sorted list.

2. Please report how many numbers can be sorted by your program within 30 minutes. Please follow the instruction of docx attached. The file name should be named as student ID and stored as pdf.

二、Prime Number

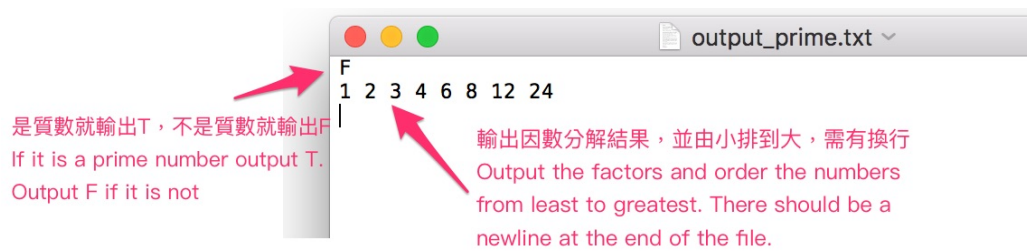
1. Please implement a program to check a number whether prime or not.

Input : input_prime.txt

Output : output_prime.txt

The name of the program should be named as studentID__prime.c/.cpp





2. Please report the largest prime that your algorithm can find within 30 minutes. Please follow the instruction of docx attached. The file name should be named as student ID and stored as pdf