

CSC 3100 : Data Structures and Algorithms

Programming Assignment 1

Due: 12am(midnight), Nov 5th, 2020

1 Problems

Merge Sort

Prefix Expression

- Problem Url: <https://oj.polarisstudio.cn/contests/>

The problem set is: CSC3100-Fall-2020-Assignment 1

2 Submission

- Your code should submit on the OJ platform.
- You should register the website by the **any email**. But the username should be your **student ID**, Otherwise we won't calculate the score. Thanks for your cooperation.

3 Grading

- Correctness and Performance[80%]
 - How much score get on OJ's contest.
 - * There are 10 test points, pass one can gain 10 points.
 - * The difficulty of 10 points is from easy to hard.
- Report[20%]

You also need to write a report to explain the following:

 - What are the possible solutions for this problem?

- How do you solve this problem?
- Why is your solution better than others? (Some test results can be included)
- How do you test your program?
- What are the possible further improvements?

* Extra 10 points will be given to the report part with great thinking and new solutions. Therefore, 110 points will be given and finally normalized to 100 points, that is $\text{yourPoints} * 100 / 110$.

4 Submission

- You should submit two files via blackboard. One is the java source code file which is same with your Online Judge's code named "AS1_MergerSort_ID.java" and "AS1_PrefixExp_ID.java", where ID is your student number; and the other is the report named "AS1Report_ID.pdf" in PDF format, where ID is your student number.
- Please package your coding files "AS1_MergeSort_ID.java" , "AS1_PrefixExp_ID.java" and "AS1report_ID.pdf" in one archive file named "AS1Submission_ID", where ID is your student number.
- Please upload your submission to our online assignment drop box which has been cre-ated in our BB account under the directory of "content\\Assignment \\Assignment1_submission" The submission is now open until 1 November 2020 when the submission is closed.