

Problem Solving Techniques 문제해결

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Homework 2a

- 20 points for coding evaluation
 - Submission format
 - Your file should work on skku.goorm.io with gcc 11.1.0 compiler
 - Submission site: <https://skku.goorm.io>
 - [Homework] 2a (code)
- 5 points for report
 - The report is not evaluated in detail but evaluated as Pass/Fail
 - Submission format: [Template] Report for exercise/homework
 - File name: yourid_HW2a.pdf
 - Example: 2000123456_HW2a.pdf
 - Submission site: <https://icampus.skku.edu/>
 - Week 5: [Homework] 2a (report)
- Due date: 4/12 23:59 (no late submission accepted)

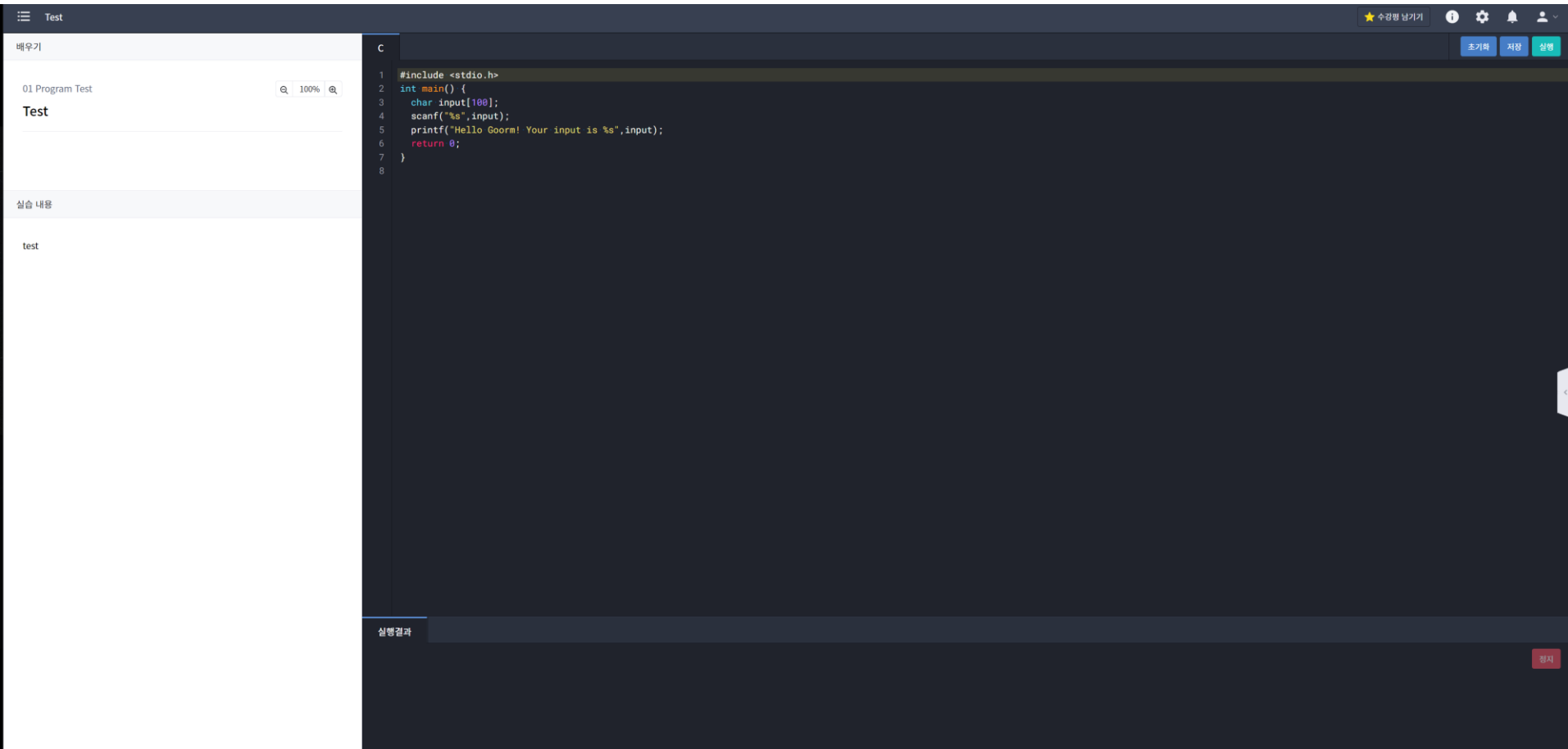
Rules for homework

- You should follow instructions.
 - Compiler
 - You will get **no/less point** if your program cannot be complied with the specified compiler
 - Input/output format
 - You will get **no/less point** if TA's automatic evaluation program cannot parse your input or output.
 - Permitted modification scope
 - You will get **no/less point** if you modify code outside of the permitted modification scope
 - All other rules
 - You will get **severe penalty or no/less point** if you violate the given rules.

Compiler for homework

- Compiler

- skku.goorm.io -> gcc 11.1.0 C language, not C++ language
- Your program will be correctly evaluated *only if* your program works on skku.goorm.io with gcc 11.1.0 compiler

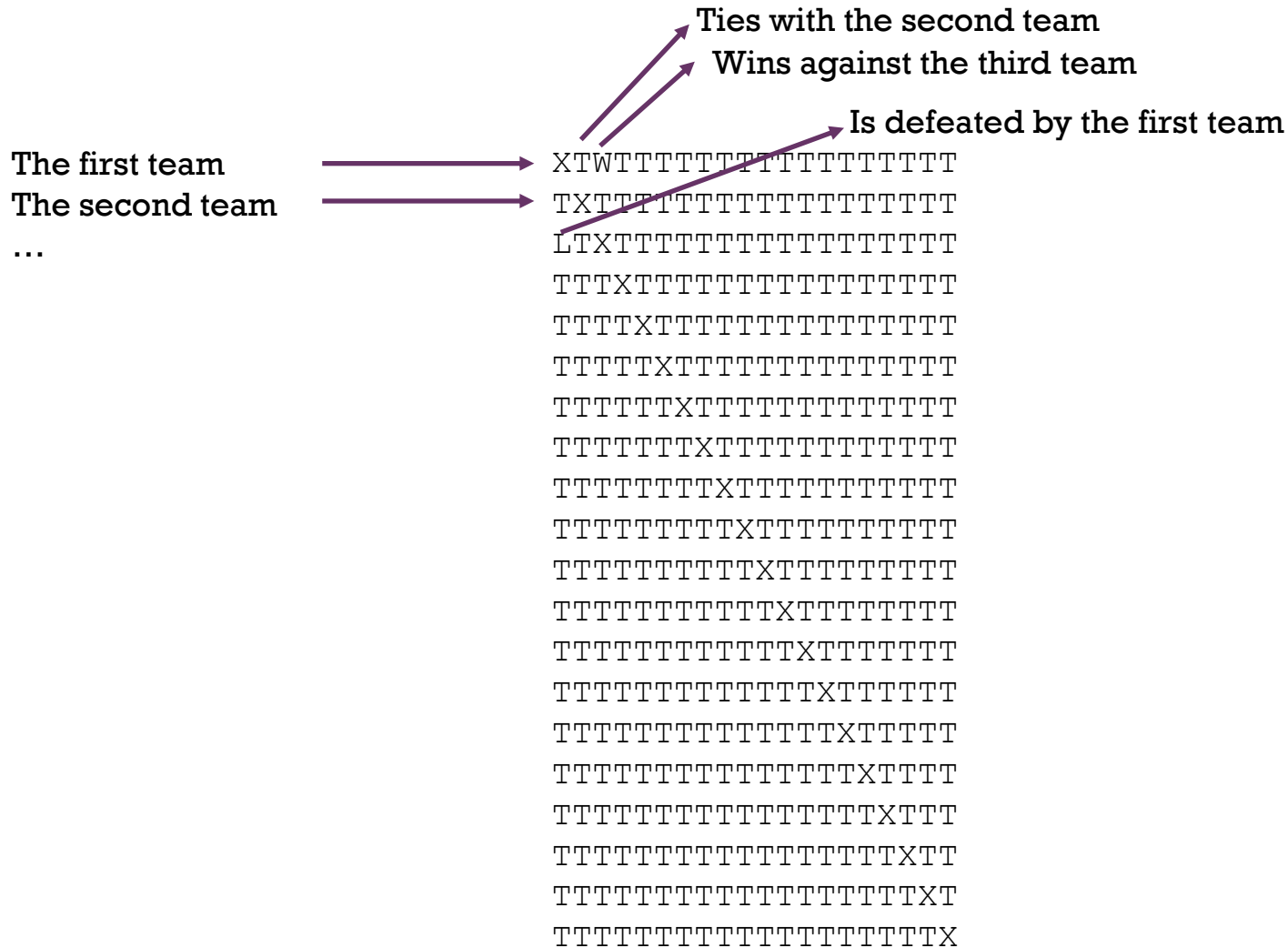


Problem

- Points for soccer teams: preliminary
 - A soccer league has 20 teams, and each team plays 19 games—once with all other teams. Each team gets
 - A points when it wins, represented by “W” (win),
 - B points when it ties, represented by “T” (tie), and
 - 0 points when it is defeated, represented by “L” (lose),
 - where A and B are integers satisfying $0 < B < A < 10$.
 - Then, results are represented by the 20 by 20 matrix shown in the next slide.
 - Calculate each team's score *sorted in descending order*.

Problem

■ Points for soccer teams: preliminary



Problem

■ Points for soccer teams: preliminary

[illegible]

- (n,n) should be “X”.
- If (i,j) is “W”, (j,i) should be “L”.
- If (i,j) is “T”, (j,i) should be “T”.

Input/Output Format

■ Input

[illegible]

■ Output

[illegible]

The highest team score
(In this case, first team's
score, but not necessarily
first team's score)

The lowest team score
(In this case, third team's
score)

Template

- Template
 - No C code template

Evaluation

■ Evaluation

- TA will test several cases.
- For each test case,
 - If your C code results in an answer within 10 seconds on skku.goorm.io with gcc 11.1.0 complier,
 - If your answer is correct,
 - You get 100%.
 - Else,
 - You get 0%.
 - Else,
 - You get 0%.

**Before submission, test your program on skku.goorm.io with gcc 11.1.0 complier!
Otherwise, you may get zero point although your program works on your environment.**