

Value Trace Problem (VTP) Manual

About VTP

In VTP, a source code and a set of questions are given to students. Students have to trace the value of the variable in the question from the source code and fill the correct answer in the corresponding blank forms. The answer is marked automatically. If the answer is wrong, the corresponding blank form is shown with “pink” color and if the answer is correct, the blank form is shown with “white” color.

How to solve VTP problems

1. Open the given PLAS (Programming Learning Assistant system) website link with the browser.

<https://www.ec.okayama-u.ac.jp/~dist/PLAS/index.html>

2. You will see the below screen. Click “**Online Exercise**” button.

Programming Learning Assistant System **PLAS**

IMPROVE your
programming
skills

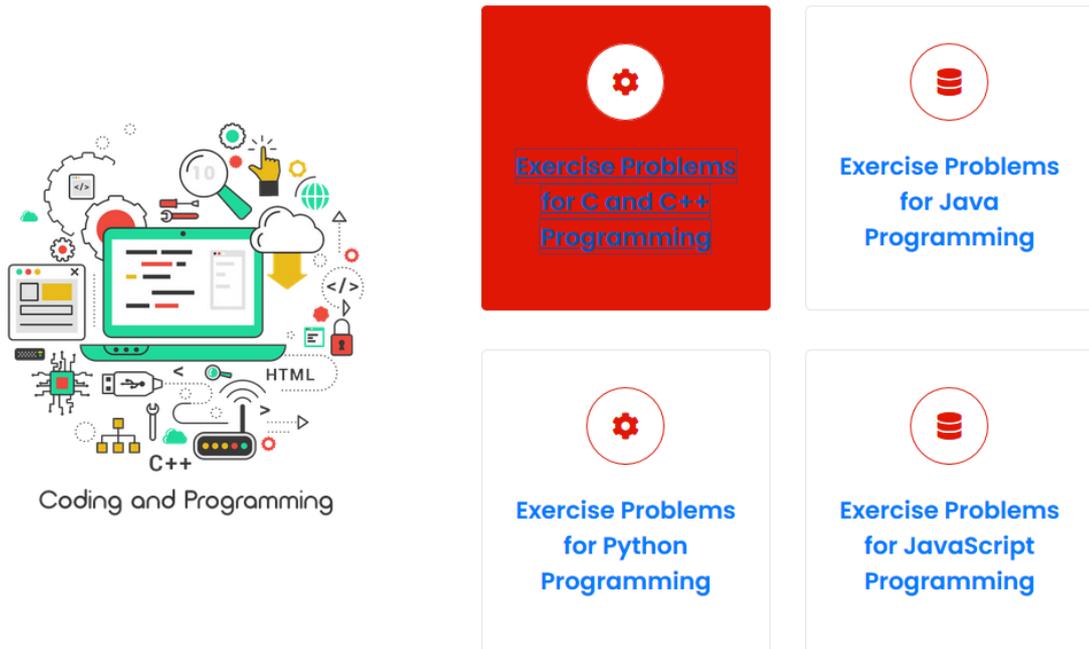


Online Exercise

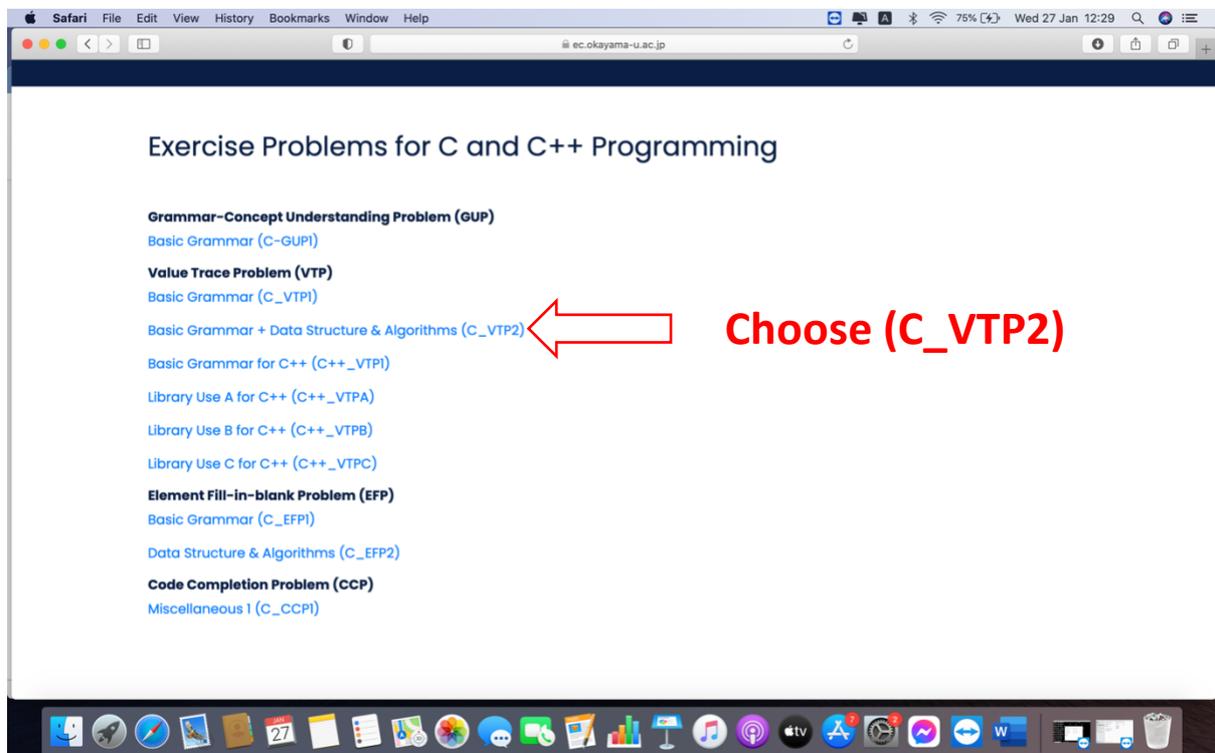


Click “**Online Exercise**”

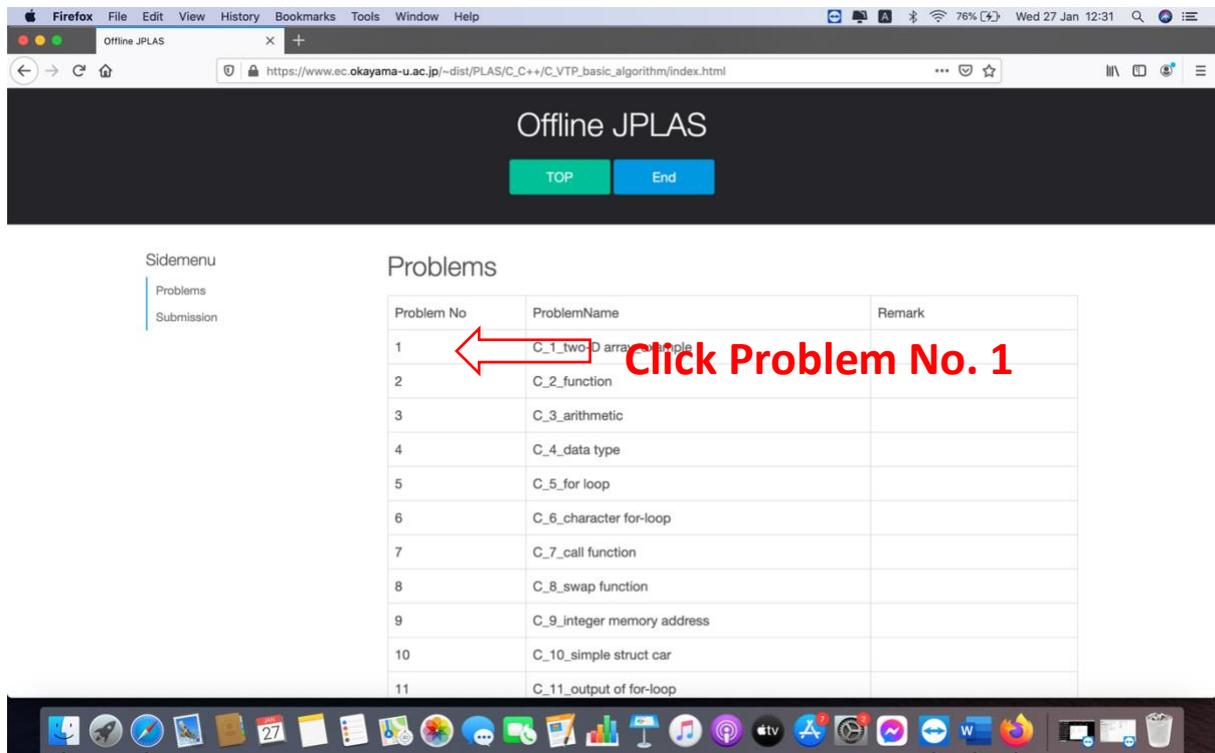
3. Click “**Exercise problems for C and C++ Programming**”, for example.



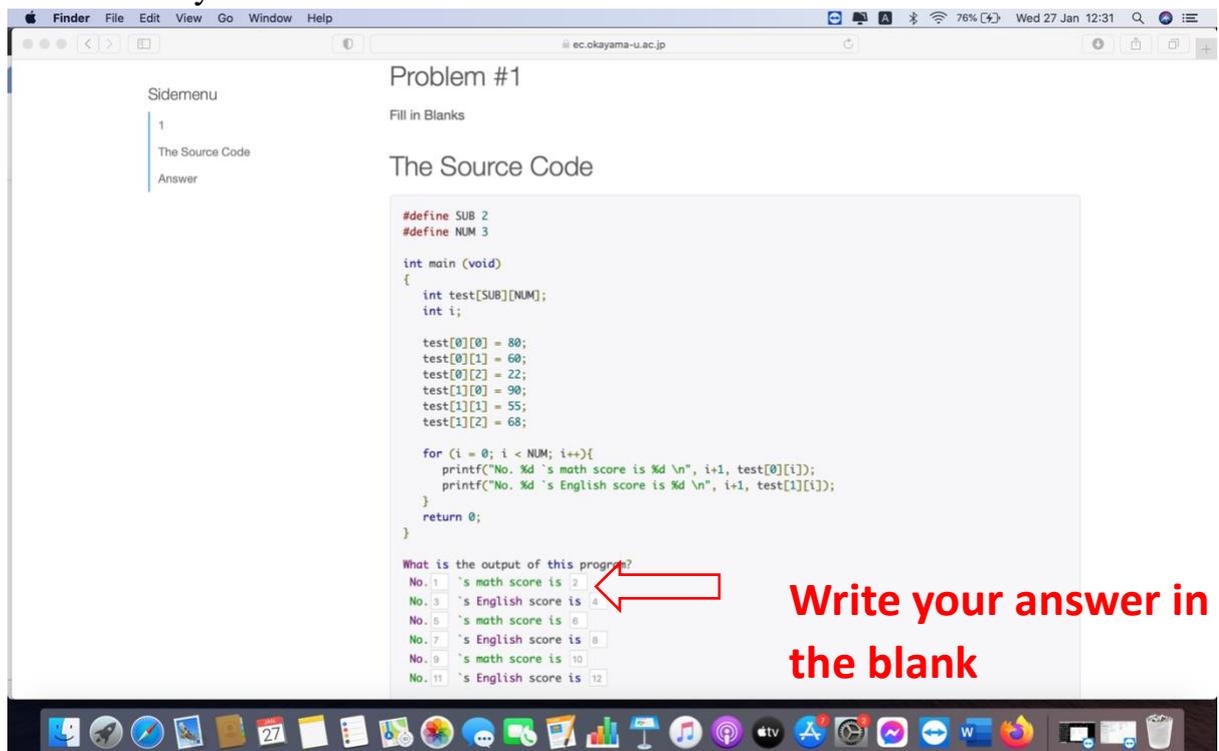
4. Choose **Basic Grammar + Data Structure & Algorithms (C_VTP2)**, for example.



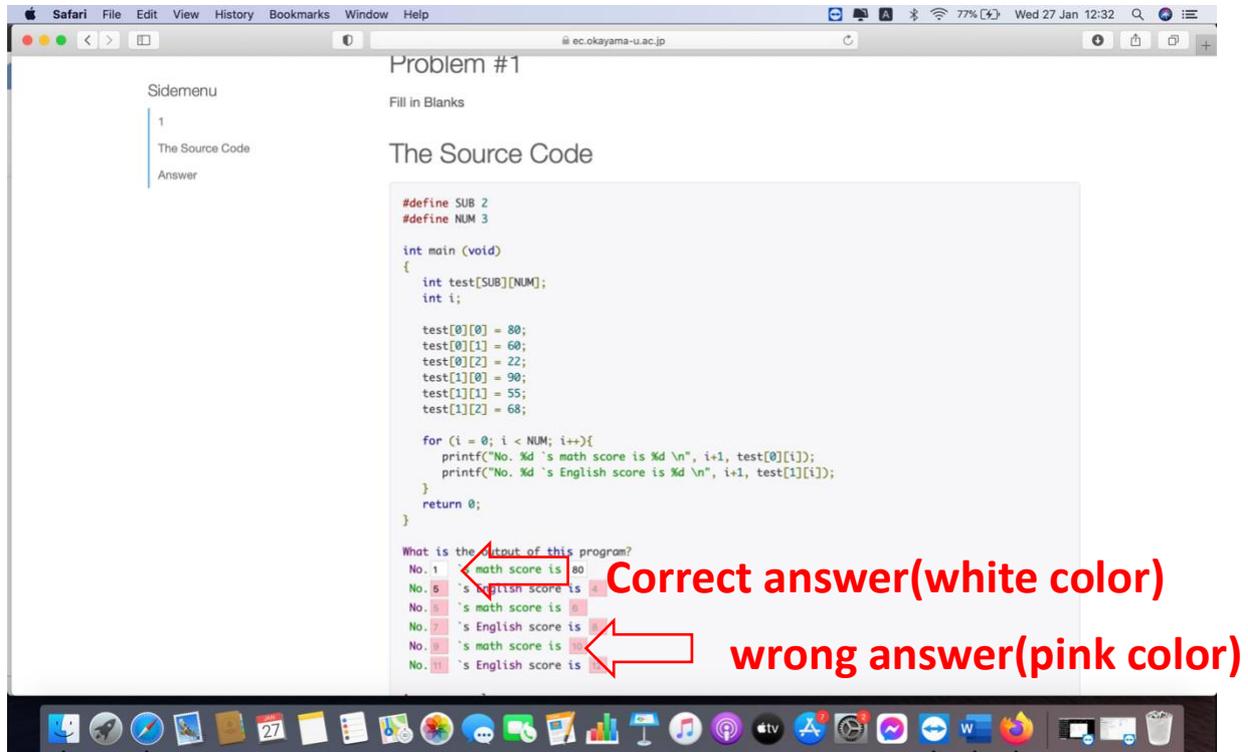
- There are 42 problems in C_VTP2, for example. Please solve all of them. You can repeat solving each problem more than one time until you get the correct answer.



- Read the problem code and fill the blanks with the correct answers. To check your answers, please click "Answer" button. Your answers will be checked automatically.



7. After clicking the “Answer” button, the correctness of your answer is shown with different color as in the figure below. When your answer is correct, the blank form will show with “white” color and when it is incorrect, the blank form will show with “pink” color.



8. After solving problem 1, click the “back” button on the browser and solve the remaining problems in one assignment.
9. You can solve each problem as many times as you want until you satisfy your answer. The answers will store in the web storage.

