

Introduction to CodeCrunch

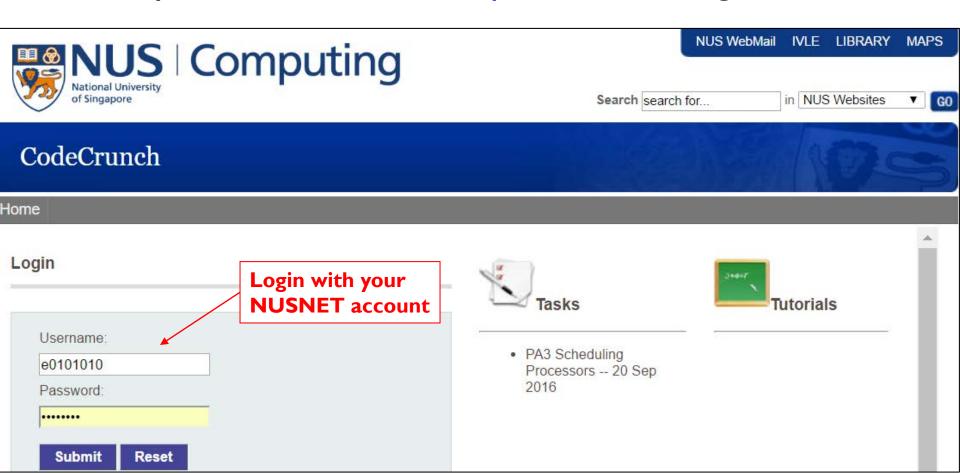
Zhou Lifeng

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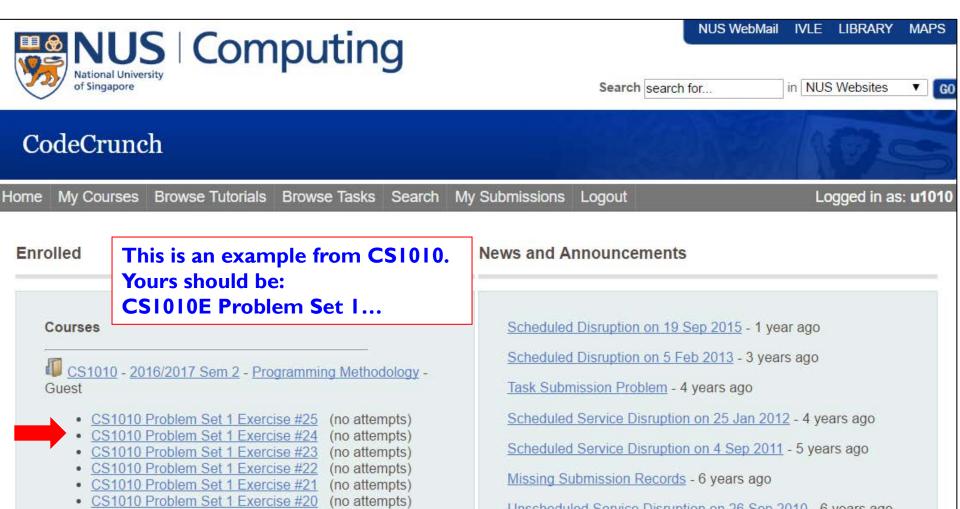
Step 1: Login to CodeCrunch

- ▶ Login to https://codecrunch.comp.nus.edu.sg/.
- Use your NUSNET id and password to login.



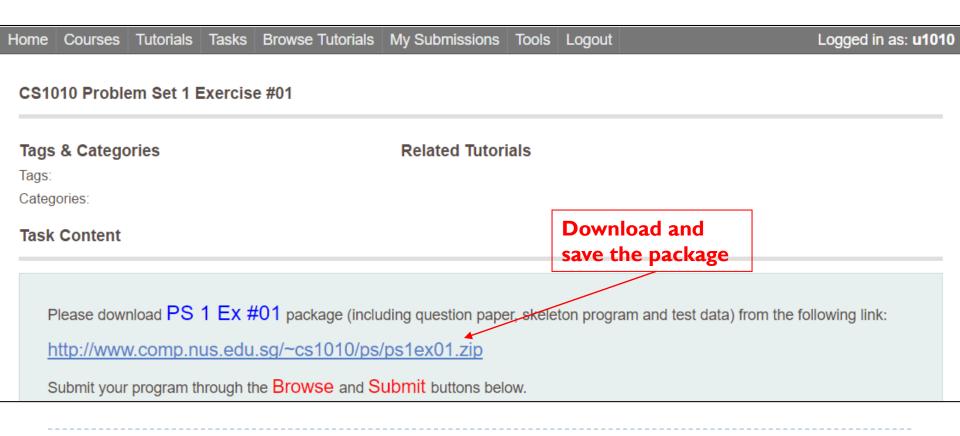
Step 2: Selecting a Task

▶ Click on the exercise you want to work on.



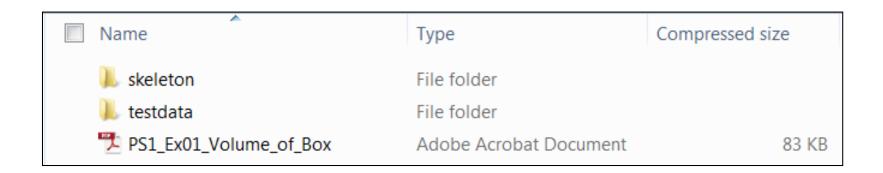
Step 3: Download Question

Click on the URL to download the question package.



Step 4: Write your program (1/2)

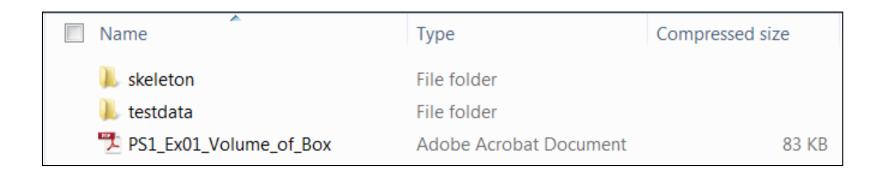
- In the downloaded package:
 - skeleton folder contains skeleton program for you to edit.
 - testdata folder contains all the test cases CodeCrunch use to verify the correctness of your program.
 - Both xxx.in and xxx.out are text files that can be opened in WordPad (on Windows).





Step 4: Write your program (2/2)

- Upload the skeleton program to your sunfire account and edit it with vim.
- Once finished, download your program from sunfire to your own computer and then submit it to CodeCrunch for automatic grading.





Step 5: Submit Your Solution (1/3)

On the same CodeCrunch page you download zipped package, Click on the Browse button.

Please download PS 1 Ex #01 package (including question paper, skeleton program and test data) from the following link: http://www.comp.nus.edu.sg/~cs1010/ps/ps1ex01.zip Submit your program through the **Browse** and **Submit** buttons below. Select the program from Submission (Course) your computer to upload CS1010 (2016/2017 Sem 2) Programming Methodology ▼ Select course: Your Files: **BROWSE SUBMIT** (only .java, .c, .cpp and .h extensions allowed) To submit multiple files, click on the Browse button, then select one or more files. The selected file(s) will be added to the upload queue. You can repeat this step to add more files. Check that you have all the files needed for your submission. Then click on the Submit button to upload your submission.

Note: If "Browse" button doesn't show up, switch to another browser, e.g. Firefox -> IE.

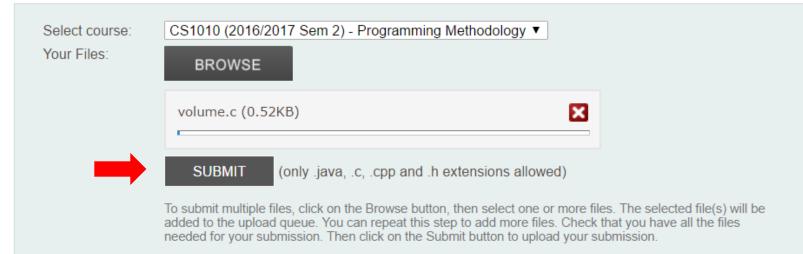
Step 5: Submit Your Solution (2/3)

- Wait for the loading box to appear
- Then click on Submit

http://www.comp.nus.edu.sg/~cs1010/ps/ps1ex01.zip

Submit your program through the Browse and Submit buttons below.

Submission (Course)



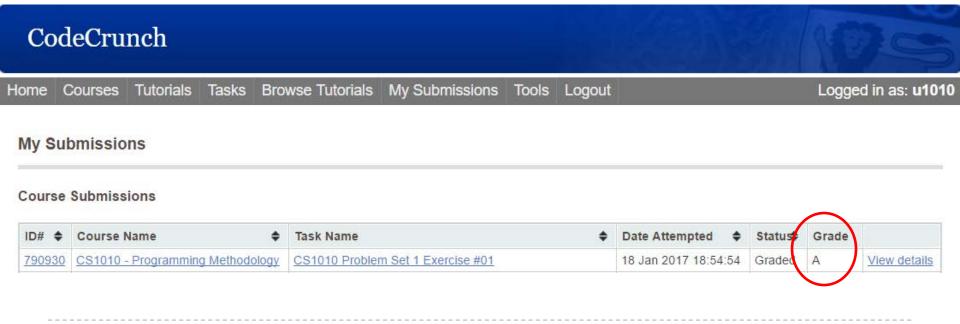
Step 5: Submit Your Solution (3/3)

- Soon you should see a green box indicating that your program has been submitted successfully.
- Click on My Submissions to see the grade awarded for your submission.

Submission (Course) Your submission is sent for grading. You can view the status of your submissions at My Submissions. Select course: Your Files: BROWSE SUBMIT (only .java, .c, .cpp and .h extensions allowed) To submit multiple files, click on the Browse button, then select one or more files. The selected file(s) will be added to the upload queue. You can repeat this step to add more files. Check that you have all the files needed for your submission. Then click on the Submit button to upload your submission.

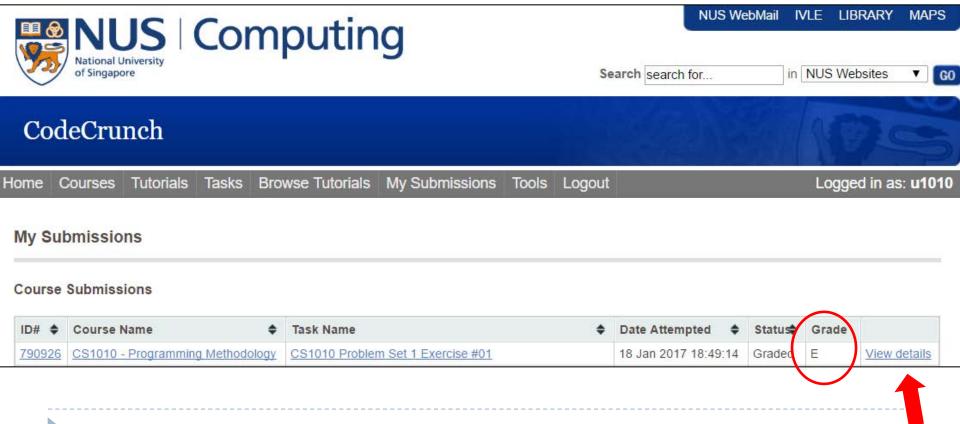
Step 6: Review Your Submission (1/3)

- You should see the following table containing the details of your submission.
 - If you are awarded a grade of A, then congratulations, you have completed the task successfully!



Step 6: Review Your Submission (2/3)

If you got a grade other than A, click View details to check your output.



Step 6: Review Your Submission (3/3)

Tutorials Tasks **Browse Tutorials** My Submissions Tools Logout Logged in as: u1010 Courses Home View Submission Grading Details 18 Jan 2017 18:49:14 Username: u1010 Submission ID: 790926 Date Submitted: Last Updated: 18 Jan 2017 18:49:16 Graded Data Test Set 0 Status: Grade: Test Cases: 0/5 correct Task Name: CS1010 Problem Set 1 Exercise #01 Marks: 0 (/100) Course Name: CS1010 - Programming Methodology **Test Output Submission Files** Comments Log **Test Output:** TEST RUN ERRORS Differences between your Fail Test Case: vol1 output and expected Incorrect Output output are highlighted Expected output vs your output: **Your Output Expected Output** 360 1 Enter length: Enter width: Enter height: Answer is 360 1Enter length: Enter width: Enter height: Volume = Fail Test Case: vol2 Incorrect Output Expected output vs your output:

Grading

- CodeCrunch provides you instant feedback on the correctness of your programs based on a set of test data (given to you).
- However, don't rely solely on the given test data to ensure the correctness of your program. You should think logically to design your own test cases.
- In Practical Exams,
 - Your programs will be manually graded by tutors on correctness, programming style and design.
 - You programs will be tested on some hidden data that are unknown to you!

