Introduction to CodeCrunch

Zhou Lifeng

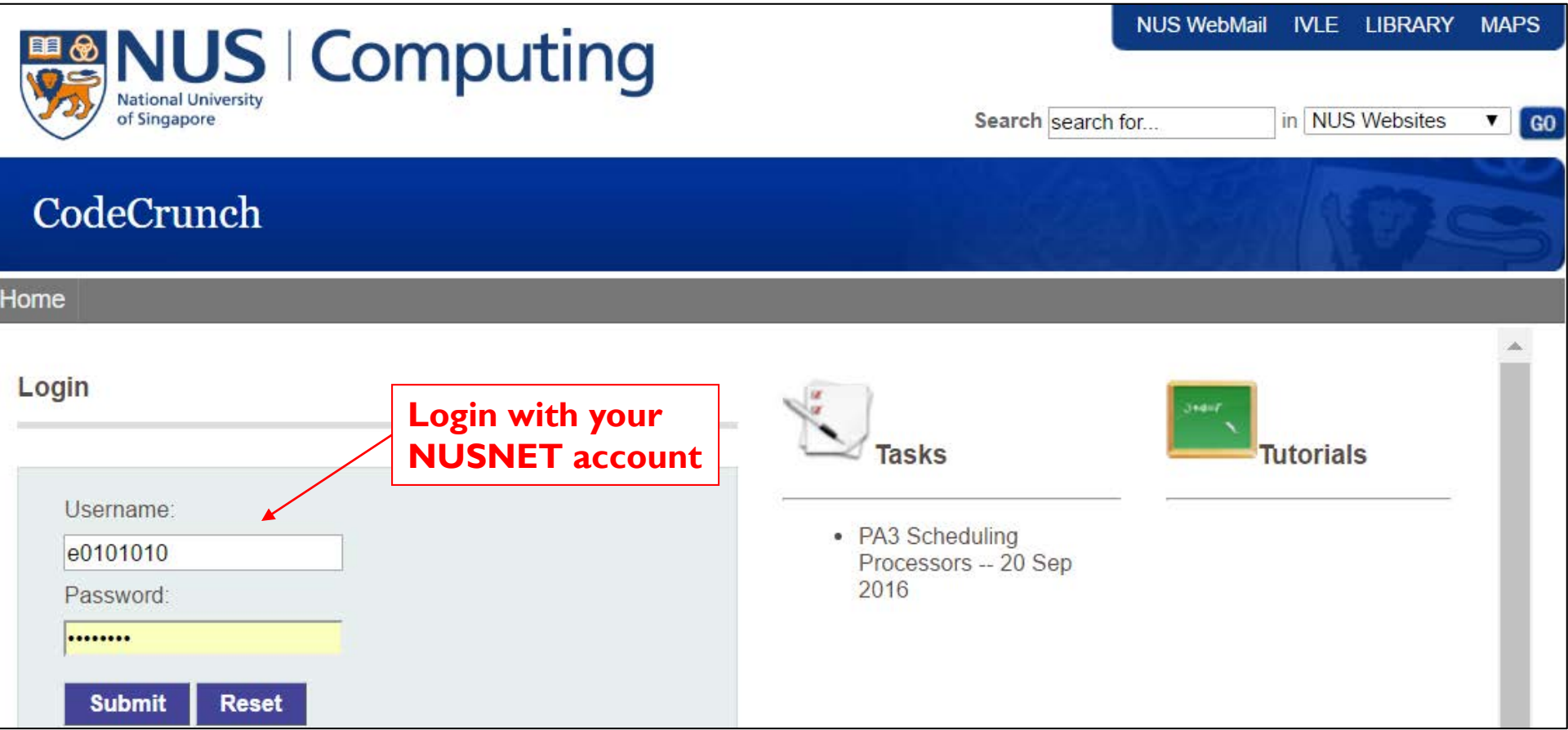
Email: zhoulifeng@nus.edu.sg

NUS National University of Singapore

School of Computing

Step 1: Login to CodeCrunch

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

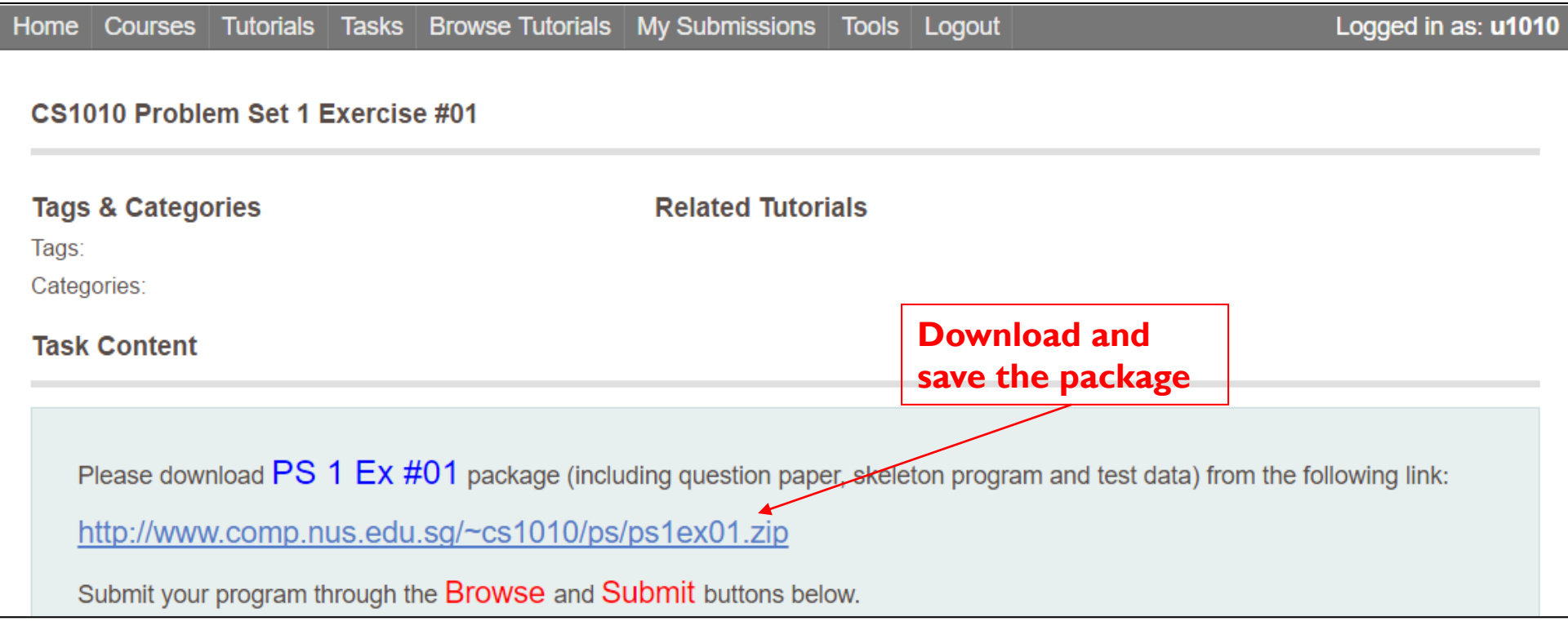


Step 2: Selecting a Task

- Click on the exercise you want to work on.

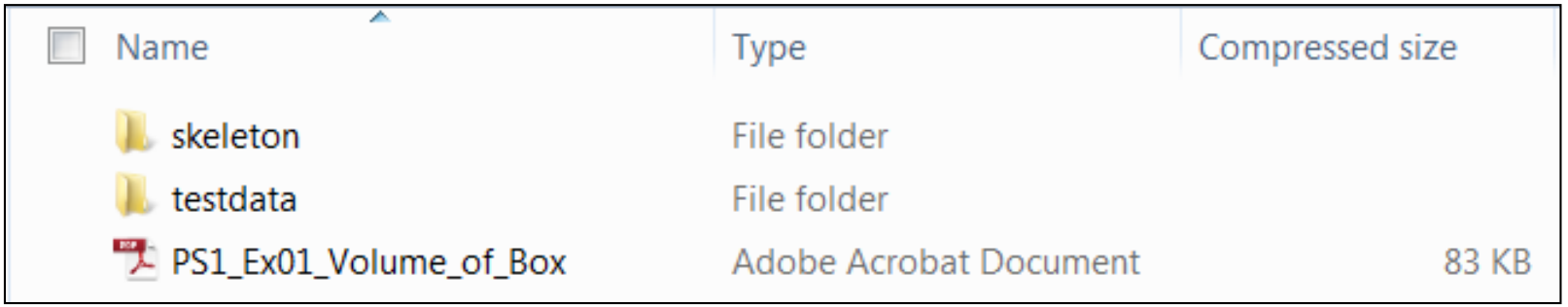
Step 3: Download Question

- Click on the URL to download the question package.



Step 4: Write your program (1/2)

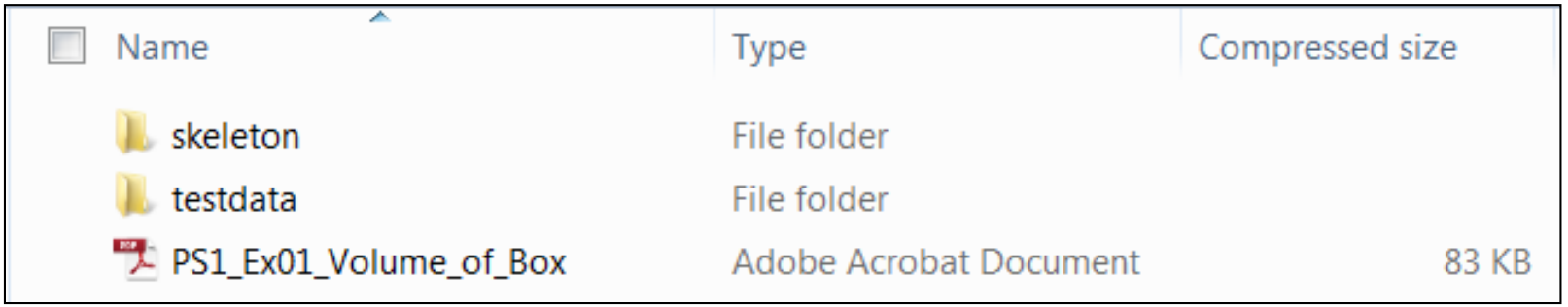
- In the downloaded package:
  - skeleton folder contains skeleton program for you to edit.
  - testdata folder contains all the test cases CodeCrunch use to verify the correctness of your program.
    - Both xxx.in and xxx.out are text files that can be opened in WordPad (on Windows).



Step 4: Write your program (2/2)

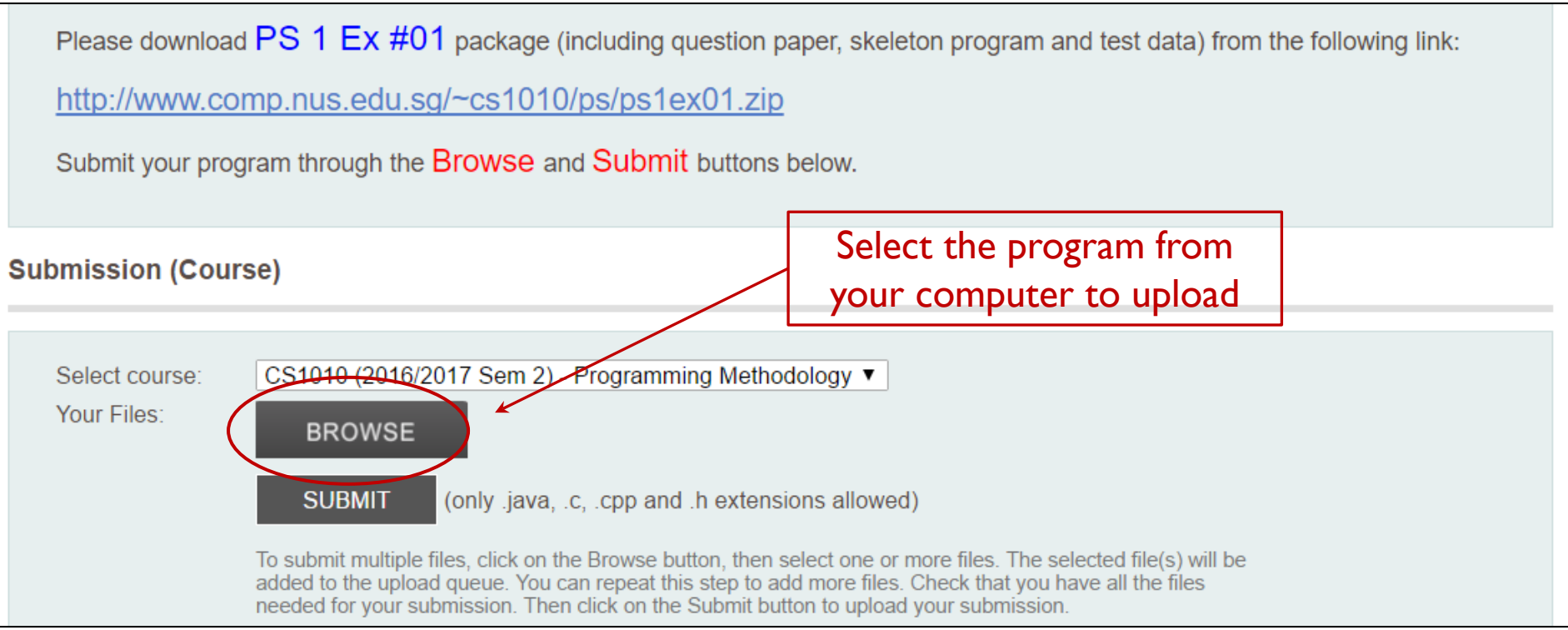
- Upload the skeleton program to your sunfire account and edit it with vim.

- 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)

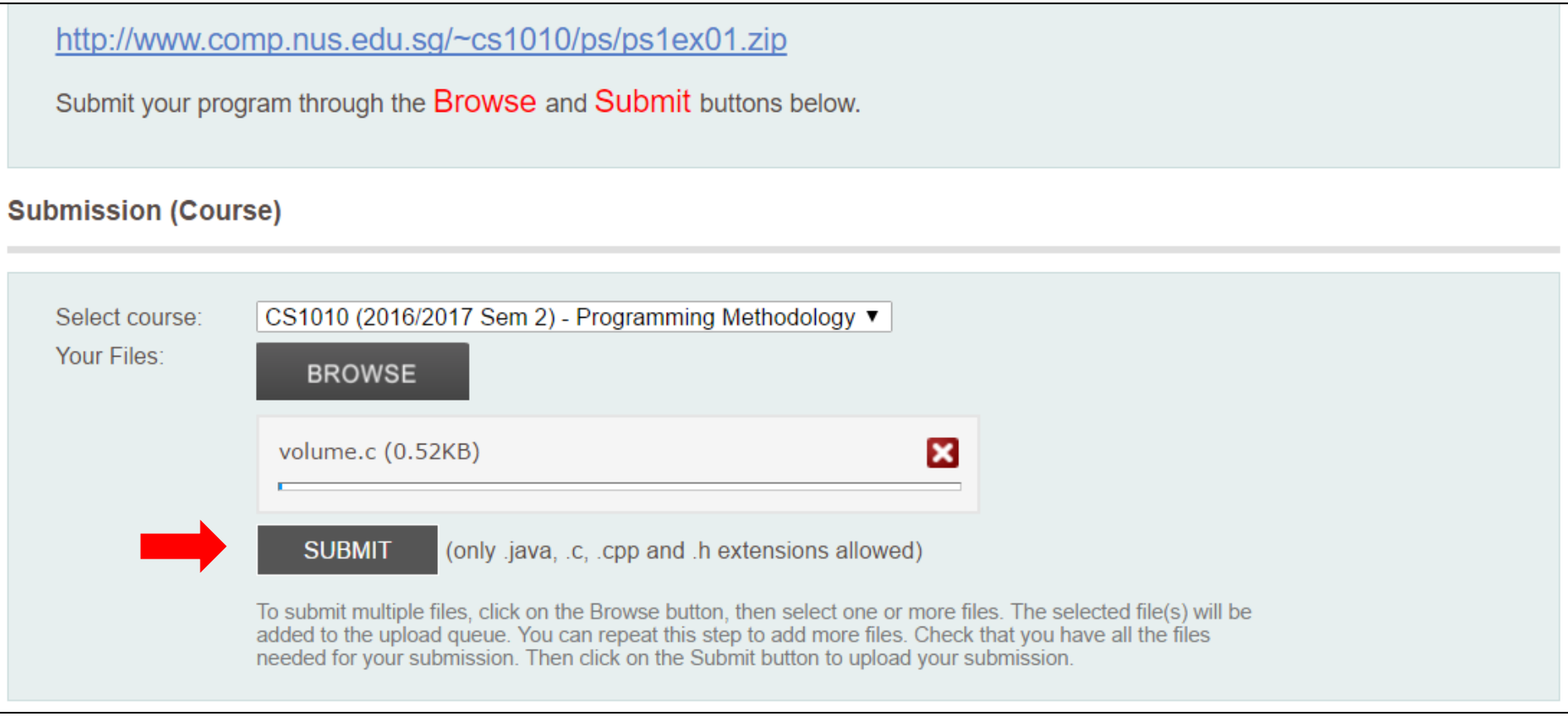
- On the same CodeCrunch page you download zipped package, Click on the Browse button.



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

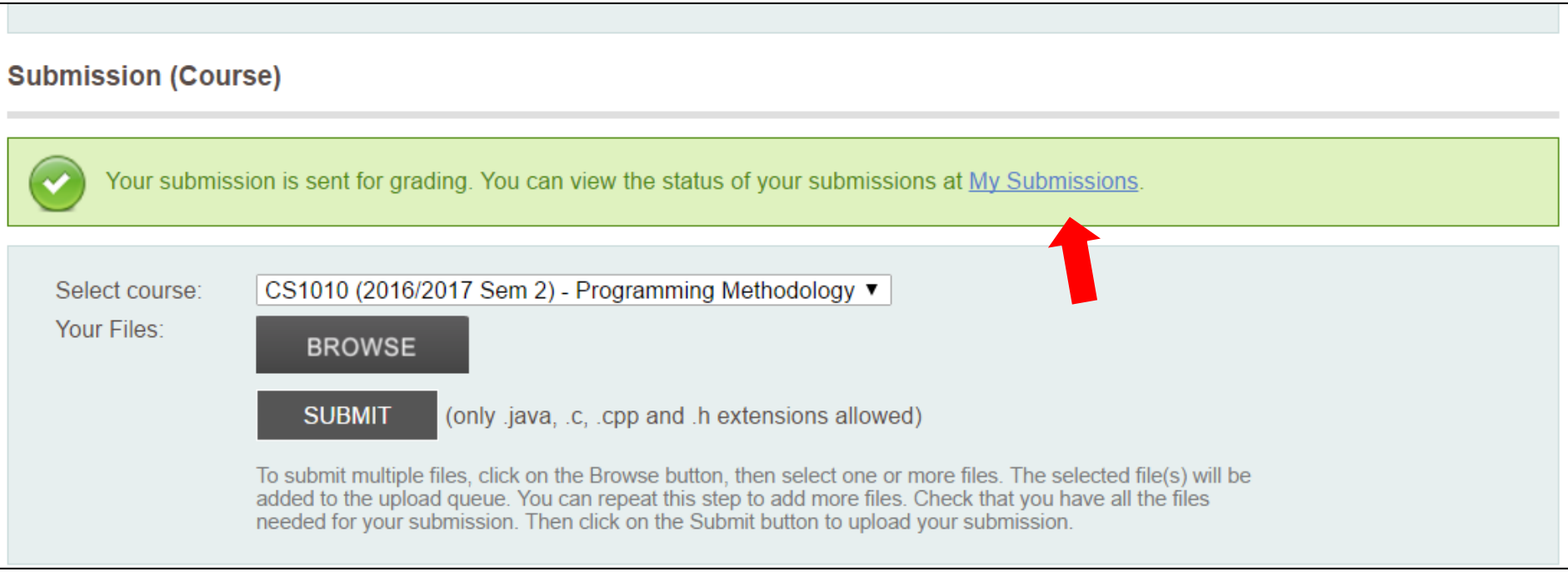
Step 5: Submit Your Solution (2/3)

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



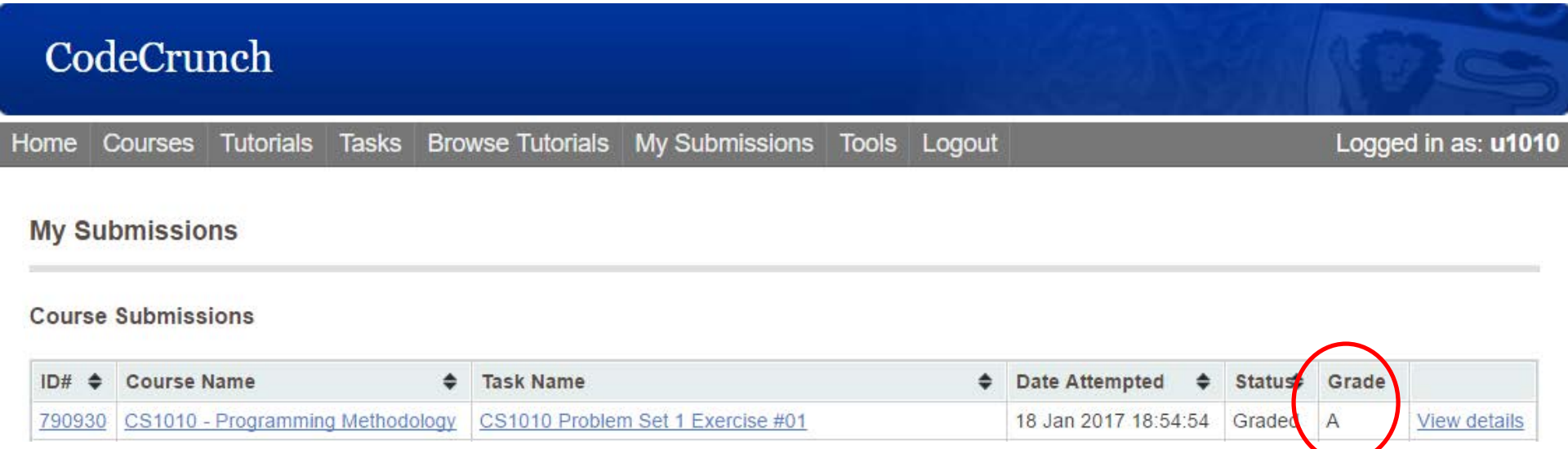
Step 5: Submit Your Solution (3/3)

- 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.



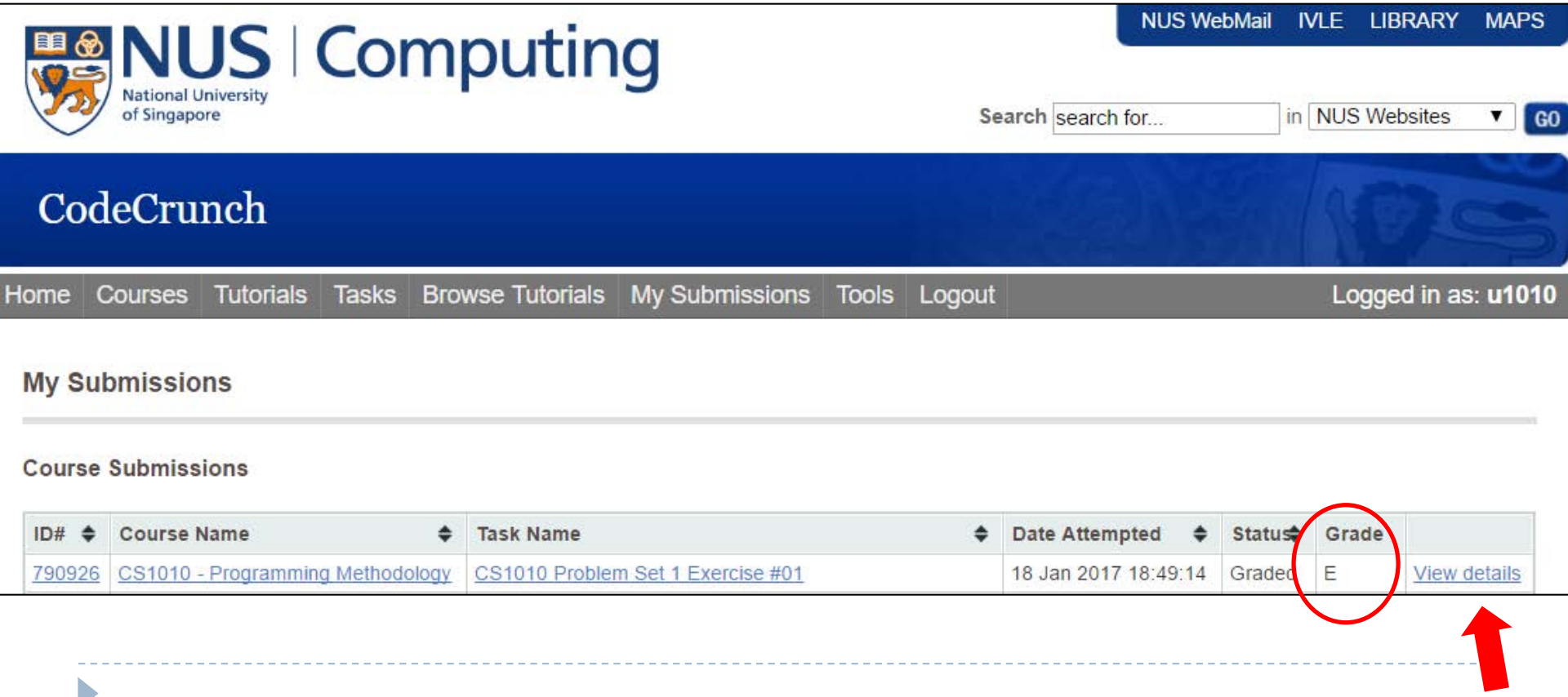
Step 6: Review Your Submission (1/3)

- 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)

Home | Courses | Tutorials | Tasks | Browse Tutorials | My Submissions | Tools | Logout | Logged in as: **u1010**

View Submission Grading Details

Username:	u1010	**Submission ID:**	790926	**Date Submitted:**	18 Jan 2017 18:49:14
Status:	Graded	**Data Test Set**	0	**Last Updated:**	18 Jan 2017 18:49:16
Grade:	E	**Test Cases:**	0/5 correct	**Task Name:**	CS1010 Problem Set 1 Exercise #01
Marks:	0 (/100)			**Course Name:**	CS1010 - Programming Methodology

Comments | Test Output | Submission Files | Log

Test Output:

TEST RUN ERRORS

Fail Test Case: vol1

Incorrect Output

Expected output vs your output:

Expected Output	Your Output
1 Enter length: Enter width: Enter height: Volume = 360	1 Enter length: Enter width: Enter height: Answer is 360

Differences between your output and expected output are highlighted

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!