



# Introduction to CodeCrunch

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School of Computing

# Step 1: Login to CodeCrunch

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

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Search  in

## CodeCrunch

Home

### Login

**Login with your NUSNET account**

Username:

Password:

### Tasks

- PA3 Scheduling Processors -- 20 Sep 2016

### Tutorials

# Step 2: Selecting a Task

- Click on the exercise you want to work on.



The screenshot shows the NUS Computing CodeCrunch website. At the top, there is a navigation bar with links to NUS WebMail, IVLE, LIBRARY, and MAPS. Below this is a search bar with the text "Search search for..." and a dropdown menu set to "NUS Websites". The main header features the NUS logo and the text "NUS Computing". Below the header is a blue banner with the "CodeCrunch" logo. A secondary navigation bar contains links to Home, My Courses, Browse Tutorials, Browse Tasks, Search, My Submissions, and Logout. On the right side of this bar, it says "Logged in as: u1010". The main content area is divided into two sections: "Enrolled" on the left and "News and Announcements" on the right. In the "Enrolled" section, under the "Courses" heading, there is a list of courses. The first course is "CS1010 - 2016/2017 Sem 2 - Programming Methodology - Guest". Below this course, there is a list of exercises. A red arrow points to the first exercise in the list: "CS1010 Problem Set 1 Exercise #25 (no attempts)". A text box with a red border and blue text is overlaid on the page, stating: "This is an example from CS1010. Yours should be: CS1010E Problem Set I...". The "News and Announcements" section on the right contains a list of news items, including "Scheduled Disruption on 19 Sep 2015 - 1 year ago", "Scheduled Disruption on 5 Feb 2013 - 3 years ago", "Task Submission Problem - 4 years ago", "Scheduled Service Disruption on 25 Jan 2012 - 4 years ago", "Scheduled Service Disruption on 4 Sep 2011 - 5 years ago", "Missing Submission Records - 6 years ago", and "Unscheduled Service Disruption on 26 Sep 2010 - 6 years ago".

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Search search for... in NUS Websites GO

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**Enrolled**

**Courses**

CS1010 - 2016/2017 Sem 2 - Programming Methodology - Guest

- CS1010 Problem Set 1 Exercise #25 (no attempts)
- CS1010 Problem Set 1 Exercise #24 (no attempts)
- CS1010 Problem Set 1 Exercise #23 (no attempts)
- CS1010 Problem Set 1 Exercise #22 (no attempts)
- CS1010 Problem Set 1 Exercise #21 (no attempts)
- CS1010 Problem Set 1 Exercise #20 (no attempts)

**News and Announcements**

- [Scheduled Disruption on 19 Sep 2015](#) - 1 year ago
- [Scheduled Disruption on 5 Feb 2013](#) - 3 years ago
- [Task Submission Problem](#) - 4 years ago
- [Scheduled Service Disruption on 25 Jan 2012](#) - 4 years ago
- [Scheduled Service Disruption on 4 Sep 2011](#) - 5 years ago
- [Missing Submission Records](#) - 6 years ago
- [Unscheduled Service Disruption on 26 Sep 2010](#) - 6 years ago

# Step 3: Download Question

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- ▶ Click on the **URL** to download the question package.

[Home](#) [Courses](#) [Tutorials](#) [Tasks](#) [Browse Tutorials](#) [My Submissions](#) [Tools](#) [Logout](#) Logged in as: **u1010**

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**CS1010 Problem Set 1 Exercise #01**

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**Tags & Categories**  
Tags:  
Categories:

**Related Tutorials**

**Task Content**

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**Download and save the package**

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.



## Step 4: Write your program (1 / 2)

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- ▶ 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).





 Name	Type	Compressed size
 skeleton	File folder	
 testdata	File folder	
 PS1_Ex01_Volume_of_Box	Adobe Acrobat Document	83 KB



## Step 4: Write your program (2/2)

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- ▶ 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.

 Name	Type	Compressed size
 skeleton	File folder	
 testdata	File folder	
 PS1_Ex01_Volume_of_Box	Adobe Acrobat Document	83 KB



## 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.

### Submission (Course)

Select course:

CS1010 (2016/2017 Sem 2) Programming Methodology ▼

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.

Select the program from  
your computer to upload

Note: If “**Browse**” button doesn’t show up, switch to another browser, e.g. Firefox -> IE.

# Step 5: Submit Your Solution (2/3)

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- ▶ 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)

Select course: CS1010 (2016/2017 Sem 2) - Programming Methodology ▼

Your Files:

BROWSE

volume.c (0.52KB)



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 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:

CS1010 (2016/2017 Sem 2) - Programming Methodology ▼

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!

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### My Submissions

#### Course Submissions

ID#	Course Name	Task Name	Date Attempted	Status	Grade	
<a href="#">790930</a>	<a href="#">CS1010 - Programming Methodology</a>	<a href="#">CS1010 Problem Set 1 Exercise #01</a>	18 Jan 2017 18:54:54	Graded	A	<a href="#">View details</a>

## Step 6: Review Your Submission (2/3)

- ▶ If you got a grade other than A, click [View details](#) to check your output.



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Logged in as: **u1010**

### My Submissions

#### Course Submissions

ID#	Course Name	Task Name	Date Attempted	Status	Grade	
<a href="#">790926</a>	<a href="#">CS1010 - Programming Methodology</a>	<a href="#">CS1010 Problem Set 1 Exercise #01</a>	18 Jan 2017 18:49:14	Graded	E	<a href="#">View details</a>



# Step 6: Review Your Submission (3/3)

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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
1Enter length: Enter width: Enter height: Volume = 360	1Enter length: Enter width: Enter height: Answer is 360

**Fail Test Case:** vol2

Incorrect Output

Expected output vs your output:

Differences between your output and expected output are highlighted

# Grading

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- ▶ 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!

