

Programming Midterm Tips

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CSCI2100A Data Structures

Time & Venue

- Time :April 2nd, Thursday, 6:30 p.m. - 9:30 p.m.
- Venue: SHB 924
- Please arrive the venue before 5:45 p.m. We will have a warming-up session from 5:45p.m. -6:15 p.m.

Submit Tool

- We will use a GUI base tool to help to submit your program — — [PC^2](#) (ACM-ICPC official tools)
- It is **simple** and **robust**.
- All things can be done by just several clicks.

login to PC^2

PC^2 Login

California State University, Sacramento
Programming Contest Control System


SACRAMENTO
STATE

Name

Password

PC^2 version 9

 **acm** International Collegiate
Programming Contest

 **IBM** | event
sponsor

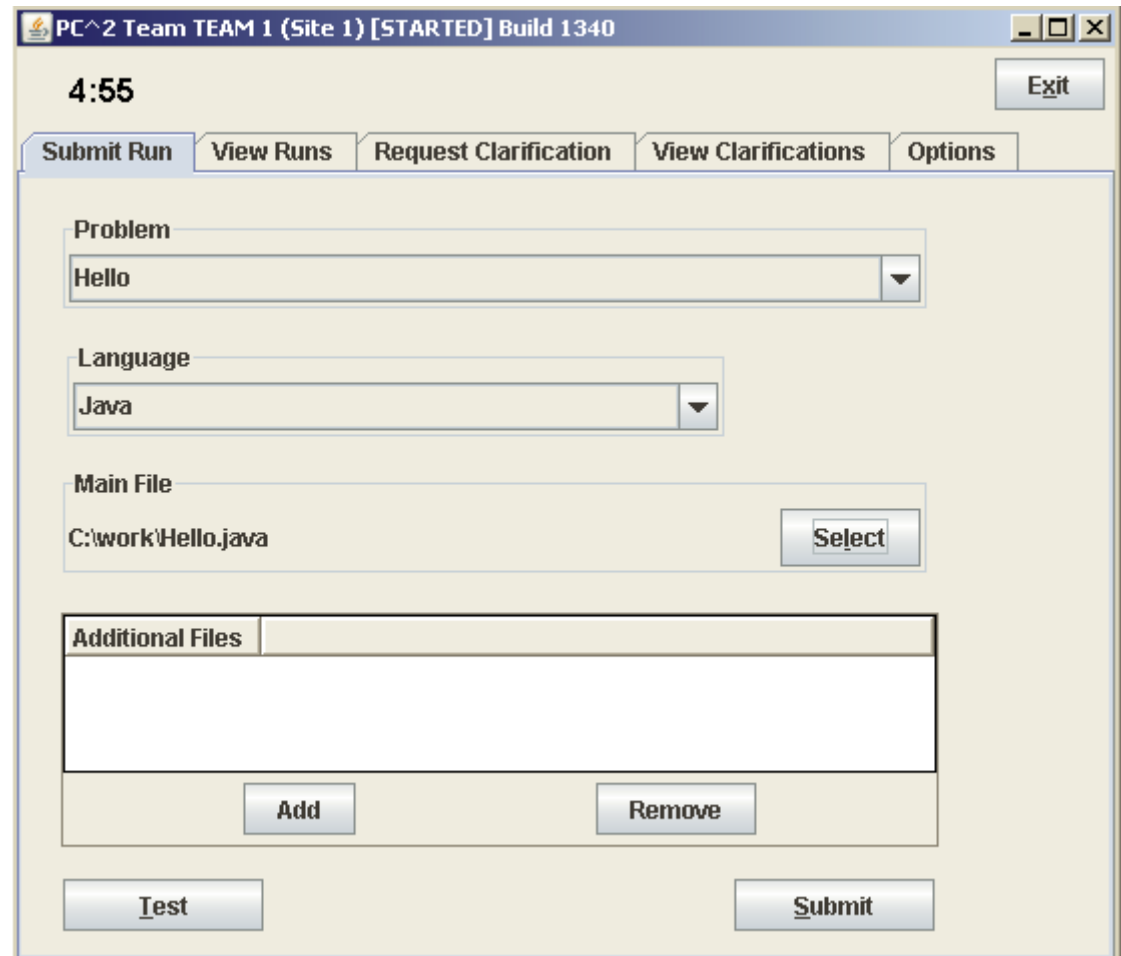
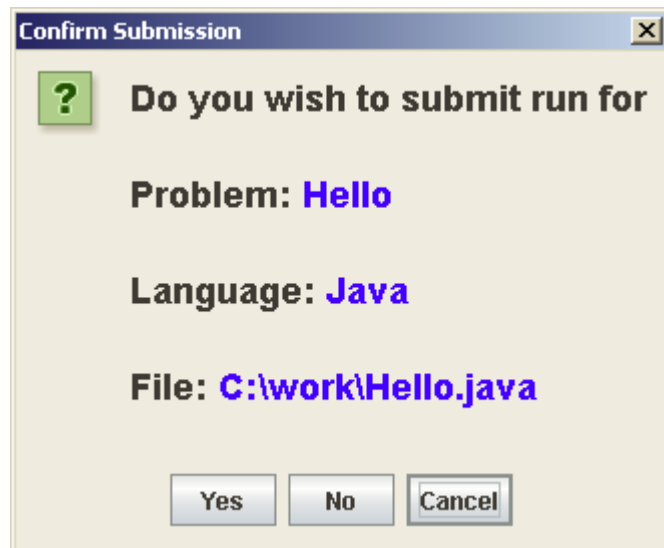
Submitting a Program to the Judges

- Clicking on the **SUBMIT RUN**
- Clicking in the **Problem** box will display a drop-down list of the contest problems
- Clicking in the **Language** box to choose Language (only C in our midterm)
- Click on the **Select** button, specify the name of the file containing your **main program**

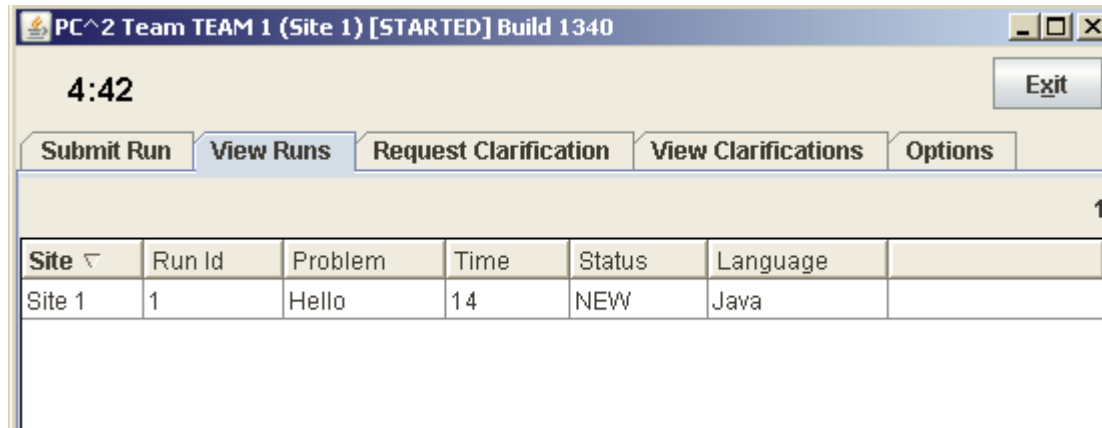
The screenshot shows a web browser window titled "PC^2 Team TEAM 1 (Site 1) [STARTED] Build 1340". The page displays a submission interface with a timer showing "4:55" and an "Exit" button. The interface has a navigation bar with tabs: "Submit Run", "View Runs", "Request Clarification", "View Clarifications", and "Options". The "Submit Run" tab is active. Below the tabs, there are three main sections: 1. "Problem": A dropdown menu currently showing "Hello". 2. "Language": A dropdown menu currently showing "Java". 3. "Main File": A text input field containing "C:\work\Hello.java" and a "Select" button. Below these sections is an "Additional Files" section with an empty table and "Add" and "Remove" buttons. At the bottom of the page are "Test" and "Submit" buttons.

Test Runs

- Click the **Test** button
- This will make a “**TEST RUN**”, meaning it will compile and execute your program *on your machine*.
- Once you are satisfied with the results of your Test Run, click the **Submit** button.



Run Results



The screenshot shows a web application window titled "PC^2 Team TEAM 1 (Site 1) [STARTED] Build 1340". The window has a timer showing "4:42" and an "Exit" button. Below the timer are several tabs: "Submit Run", "View Runs", "Request Clarification", "View Clarifications", and "Options". The "View Runs" tab is selected. Below the tabs is a table with the following data:

Site	Run Id	Problem	Time	Status	Language
Site 1	1	Hello	14	NEW	Java



The screenshot shows a dialog box titled "Run Judgement Received". It contains the following information:

- Judge's Response** (with an information icon)
- Problem: **Hello**
- Language: **Java**
- Run Id: **20**
- Judge's Response: **Yes**

At the bottom of the dialog box is an "OK" button.

Environment

- The operation system will be Ubuntu Linux 12.04 LTS.
- And the computer configuration will have these basic editors:
 - Vi/VIM
 - Emacs
 - Gedit
 - Nano
- How to compile:
 - `gcc -g progname.c -o progname`
- Tutorial on using the GDB debugger

Thanks & Good Luck!