Trying your code on the competition machines:

The computers we will use are not visible from the Internet. You need to first ssh to a router computer using ssh, and then ssh to a competition computer.

Router computer: ilab1.usc.edu (different platform; do not run your code on that one)

Competition computer: use computer name n12, from ilab1, for testing.

User account to use: n12 (yes, it's the same name as the computer name, that's ok).

* First ssh to the router computer as user n12:

ssh n12@ilab1.usc.edu
password: 2cool!

If using an ssh client from windows or similar:
hostname: ilab1.usc.edu
username: n12
password: 2cool!
connection method: ssh

* from ilab1, ssh to the competition computer:

ssh n12
password: 2cool!

* Once you are in, create a directory with your USC username and put all your files in that directory, to avoid clashing with files of other students. Honor code: DO NOT LOOK IN OTHER STUDENT DIRECTORIES! You may want to delete your directory and all its files once you are done with your testing.

* To transfer files: transfer them using scp to ilab1.usc.edu with username n12. The home directory of user n12 is equally accessible from all computers in my lab. For example:

from a unix system:

scp mystuff.zip n12@ilab1.usc.edu:

(this will copy the file to the home directory. Then login and unzip it and delete it).

with windows clients:
hostname: ilab1.usc.edu
username: n12
destination folder (if needed): /lab/n12 (this is the home directory of
user n12)
protocol: scp

* Full example:

starting from my mac laptop connected to USC Guest Wireless:

Laurent-Ittis-MacBook-Pro:Desktop itti$ scp mystuff.zip n12@ilab1.usc.edu:
n12@ilab1.usc.edu's password:
mystuff.zip   100%
932   0.9KB/s   00:00
Laurent-Ittis-MacBook-Pro:Desktop itti$
Laurent-Ittis-MacBook-Pro:Desktop itti$
Laurent-Ittis-MacBook-Pro:Desktop itti$ ssh n12@ilab1.usc.edu
n12@ilab1.usc.edu's password:
Welcome to Ubuntu 13.10 (GNU/Linux 3.11.0-18-generic x86_64)

 * Documentation: https://help.ubuntu.com/

  System information as of Mon Oct 13 14:50:43 PDT 2014

  System load: 0.03   Processes: 1053
  Usage of /home: 40.4% of 179.60GB Users logged in: 3
  Memory usage: 1%   IP address for em0: 192.168.0.254
  Swap usage: 0%   IP address for eth1: 68.181.114.23

  Graph this data and manage this system at:
    https://landscape.canonical.com/

Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife

New release '14.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

n12@iLab1:~$ ssh n12
n12@n12's password:
Welcome to Ubuntu 13.10 (GNU/Linux 3.11.0-15-generic x86_64)

 * Documentation: https://help.ubuntu.com/

```
    System information as of Mon Oct 13 14:21:52 PDT 2014

    System load:    0.0                 Processes:              517
    Usage of /home: 0.2% of 86.99GB     Users logged in:        0
    Memory usage:   1%                  IP address for p13p1: 192.168.0.190
    Swap usage:     0%

    => /home2 is using 91.4% of 2.46TB

    Graph this data and manage this system at:
      https://landscape.canonical.com/

Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife

New release '14.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Mon Oct 13 14:21:00 2014 from ilab1.usc.edu
n12@n12:~$ ls
mystuff.zip
n12@n12:~$ mkdir laurent
n12@n12:~$ cd laurent/
n12@n12:~/laurent$ unzip ../mystuff.zip
Archive:  ../mystuff.zip
  inflating: login-instructions.txt
n12@n12:~/laurent$ rm ../mystuff.zip
n12@n12:~/laurent$ TEST MY CODE..............

[...]

n12@n12:~/laurent$ cd ..
n12@n12:~$ rm -rf laurent
n12@n12:~$ exit
logout
Connection to n12 closed.
n12@iLab1:~$ exit
logout
Connection to ilab1.usc.edu closed.
Laurent-Ittis-MacBook-Pro:Desktop itti$
```