# Questions for CSCI 13500 on Feb 1, 2021

## Summary

1. We discuss syllabus, stress the importance of integrity.
2. Write a C++ code to display “Hello, world” to the screen. Purpose: learn vi. Show steps to edit, compile and run C++ code in command lines.
3. Work on Lab Quiz 1, which input an integer from console, then print “I love C++” that many times to the screen, one in a line. Purpose: learn how to upload to gradescope.

## What we plan to do in next class

1. Hint for Lab 1, quiz on leap year.
2. Declare and initialize variables.
3. Type of variables. Range of variables.
4. Arithmetic operations especially integer division.
5. Examples of integer division:
6. Given amount of money and price of a stamp, calculate the number of stamps bought and the money left.
7. Given width of a room and the size of a tile, put the tiles without gap and the first and last tile are black. Calculate the number of tiles needed.
8. Example of const: calculate the liquid volume of six cans and two bottles of cokes.
9. Hint for Project 1: input redirection.

## Questions

**Q: Is recitation for csci135 necessary?**

A: Recitation is mandatory, 26% of your total grades depend on the labs discussed in recitation sessions.

**Q: How to switch recitation sessions?**

A: Email your current and want-to-go recitation instructors at the same time to request a switch.

**Q: I think we go over lab quiz in recitation.**

A: No, since recitation sessions are held at different time slots, we do lab quizzes (better called short programming exercise) in lecture session. If you have questions concerning them, we will discuss in lecture class.

**Q: Do we have lab quiz or lecture quiz every class?**

A: No. It depends on the schedule and materials covered.

**Q: Do you have limits in submission time for gradescope exercises?**

A: No, you can submit as many times as you like before deadline.

**Q: Can I use regular email for gradescope?**

A: Yes, you can use any valid email in gradescope. I would prefer you to use only one email for gradescope, otherwise, if your assignments are distributed in different email addresses, it may take some time to calculate your total grade.

Meanwhile, to add into blackboard, you need to have a valid Hunter college email.

**Q: Are we going class earlier to take a lecture preview?**

A: No. Class starts at 9:45 AM; if I do any lecture before that time, some students might feel unfair if they cannot make to class earlier. I let students join session 30 or 15 minutes earlier so that we can prepare for the class in time.

I will answer questions posted in chat session after each class. Ask any question you like.

**Q: How does tutoring work?**

A: We do it online from noon to 5 PM from Monday to Thursday. Log in blackboard, choose course CSCI 13500 01, click blackboard collaborate, then choose session Open Lab (free tutoring) M – Th noon – 5 PM. Tutors will be available to help.

**Q: When we use proctor software, do we need to have a camera on?**

A: I do not know the details of proctor software yet. I guess camera needs to be on for the software to work, but I am not 100% sure at this point.

**Q: Can we do the class without those e-features? Such as if we obtain a free copy of the book?**

A: It is strongly encouraged to use e-features.

If the free copy violates copyright, you need to be aware of possible consequences.

Quote from <https://www.quora.com/Is-there-any-copyright-violation-if-a-user-uploads-downloads-a-free-e-book-soft-copy-on-my-website-and-lets-people-use-it-for-free>

If the free copy itself has been obtained in illegal way, then of course uploading it and making it available to others violates the copyright.

**Q: Just to be clear, we DO NOT need to buy the book?! How harmful would it be to our performance in class if we don’t?**

A: I do not say that you do not need to buy a book. I just say that if you have a used copy or old edition, and do not want to purchase e-feature, that is your decision. But how that will hurt your performance in class, I do not know. It is a risk you need to decide.

**Q: Is it mandatory to purchase bookshelf subscription? Would it be used for submitting work?**

A: It is not mandatory to purchase bookshelf subscription, but the e-features in bookshelf will make you learn the course materials much better and more fun.

We do not submit work through bookshelf, instead, submit through gradescope.

**Q: How can I get a refund for the e-book purchased at Hunter bookstore?**

A: Talk with the bookstore.

**Q: Assuming if we already have textbook, would it still be necessary to buy/rent a book through the platform?**

A: If you have a used copy, then you check whether you can purchase an access code by talking with wiley publisher. It has online chat customer service, running 24 hours 7 days.

**Q: If we have ubuntu in CSCI 12700 or other courses, we do not need to re-install it, correct?**

A: Correct. If you have linux already, no new installation is needed.

**Q: Can we use what we used in CSCI 12700?**

A: You mean linux environment set up? Yes.

**Q: When I try to install g++ on ubuntu it keeps giving me an error?**

**Q: I got an error message, the authenticity of host '**[**eniac.cs.hunter.cuny.edu**](http://eniac.cs.hunter.cuny.edu/) **(146.95.214.131)' can't be established.**

A: Contact computer lab support email: [cstechsp@hunter.cuny.edu](mailto:cstechsp@hunter.cuny.edu). Email a detailed message, your student ID, command you type in, and error message displayed.

**Q: How can I download Linux for Mac?**

A: No need to download Linux if you use Mac, which has Linux-like environment.

**Q: I have a Mac, do I need to download anything?**

A: If g++ is not installed, go to App, install XCode.

**Q: Ubuntu or WSL for windows?**

A: I will test and let you know soon.

**Q: How to enter Insert mode in vi or other vi related questions?**

A: Press letter i. See use\_vi.docx or use\_vi.pdf I posted in blackboard for a step-by-step illustration.

**Q: Can we use online gdb for the whole course?**

**Q: Can I use visual studio or other IDE to code?**

**Q: Why cannot we just use an IDE (integrated development environment) for this course?**

A: You can use online gdb or other IDE, but you will miss a lot of fun of using vi. More important, for this course, we would like you to be familiar with Linux and commands typing in terminal, so IDE is not encouraged.

**Q: Can we use any text editor to edit source code of C++? I am not used to vi.**

A: Any text editor is fine to edit source code of C++, which ends with suffix .cpp. Editor vi is pre-installed in any linux or mac environment is very powerful editor, it has learning curve, but once you are used to it, you will like it.

As a CS student, you probably need to learn vi or emacs (one of them) sooner or later.

**Q: How about vim in windows?**

A: I have not used it for quite a while. Let me check.

**Q: How do you set up a C++ environment on VS code?**

A: From TA or a student (sorry I forget to write his/her name): download it. Add C++ extensions, get g++ compiler, run g++ “filename”, run the exe file.

**Q: I am deeply lost.**

A: Do not worry, we will work together.

**Q: How to find the file location in WSL?**

A: (1) Suppose in your windows system you have the following directories:

C:/Users/your\_user\_name/Documents,

(2) In windows system, create a subdirectory under Documents, call it progs. Now you will have the following directory: C:/Users/your\_user\_name/Documents/progs. Suppose you plan to put all your source codes in this directory.

(3) Enter wsl in “Type here to search” text box next to start button (windows icon) of windows, and click the penguin icon. A window with terminal pops up.

(4) Type in the following command to move to the directory created in Step (2).

cd /mnt/c/Users/your\_user\_name/Documents/progs **(with return key)**

(5) Edit abc.cpp file, save it and run it.

(6) Source code abc.cpp is in directory C:/Users/your\_user\_name/Documents/progs directory.