CS 101 Lab Guidelines

Labs are a critical part of learning programming. All students are expected to attend the weekly lab sessions and complete the assigned exercises.
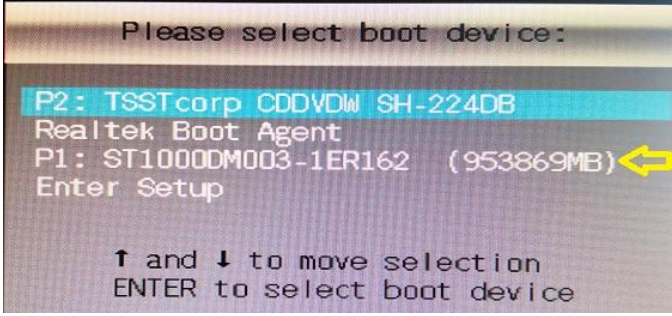
- The exercise set will usually be available 5-7 days before the lab sessions on Moodle and students are expected to complete work on them beforehand.

- Students must use the lab PCs, not their own laptops!

- Students must show up to the lab at 8:30 am as scheduled! Those who are absent during the attendance check will get an automatic 0 (zero).

- Students may upload their pre-lab solutions to Moodle and download them to the lab PC during the lab, bring them with a flash disk or download them in the lab from a shared drive (e.g. Google Drive).

- Students can use their textbook and lecture notes during the labs and Teaching Assistants and Tutors will also be on hand to help as necessary to ensure things are working and fix any remaining issues and complete the assignment.

- We expect each TA and each tutor to help a *fixed* set of students in their lab room. TAs will seat students, which they are responsible for, close to each other for convenience. Remember that the students are to sit in the same spot throughout the semester.

- The TAs will also evaluate each student's work during the lab period. Once the TA checks and verifies the solution, students will be expected to make certain modifications to the assignment as instructed by their TA. Students should not start working on the modification before the TA verifies their initial solution. They should also expect to be asked to explain their solutions and their modifications/additions. TAs will inform students of any problems or misunderstandings they identify. Based on this feedback, students can revise their solution and have the TA recheck it, without loss of points.

- Revision of a lab session will be made available on Moodle at the beginning of that lab session by the Primary TA of the session.

- Students are not allowed to wait until the last hour (4th hour of the 4hours) to show their solutions to allow the TAs to evaluate their solutions.

- Ultimately students will receive a grade of 0, 20, 80 or 100 (corresponding to "Nothing", "Weak", "Acceptable", "Proficient") for each lab session, indicating the TA's view on how well the student has understood the relevant concepts.

- Each student is to upload their solutions to Moodle after they have completed and their solution has been graded by their TA.

- TAs will enter these grades into SAPS on STARS, the same day as the lab.

- Those students with a medical report (or those not allowed on campus for a medical reason) will be responsible for completing and checking their own assignments, and their labs will not be graded (their lab grade average will not include any such labs if the number of such labs is minimal).

Remember that you are to do your lab assignments under this [Honor Code](#) using this [coding style and grading guidelines](#).

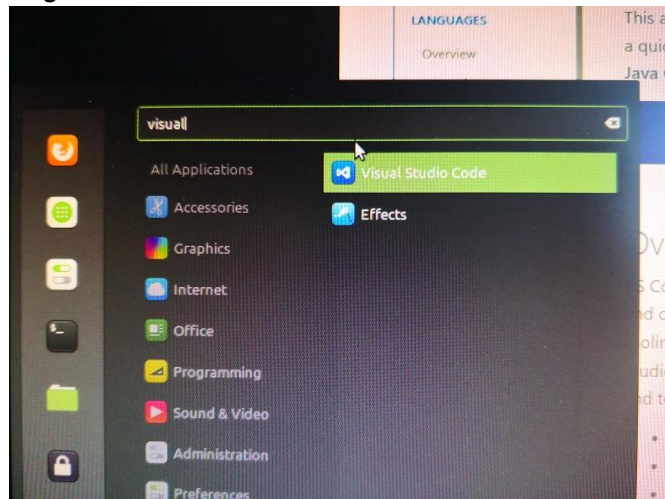## Logging in and setting up Lab PCs for VSC use

Labs will be held in BCC rooms B201/2. The PCs in these labs are dual boot with Linux (Mint) installed on them as well as Windows. Our development environment Visual Studio Code (VSC) is available **only on Linux**. You'll have to log in with a special username and install the Java pack each time you use VSC.

To start using Visual Studio Code on these PCs with Linux follows the instructions below:
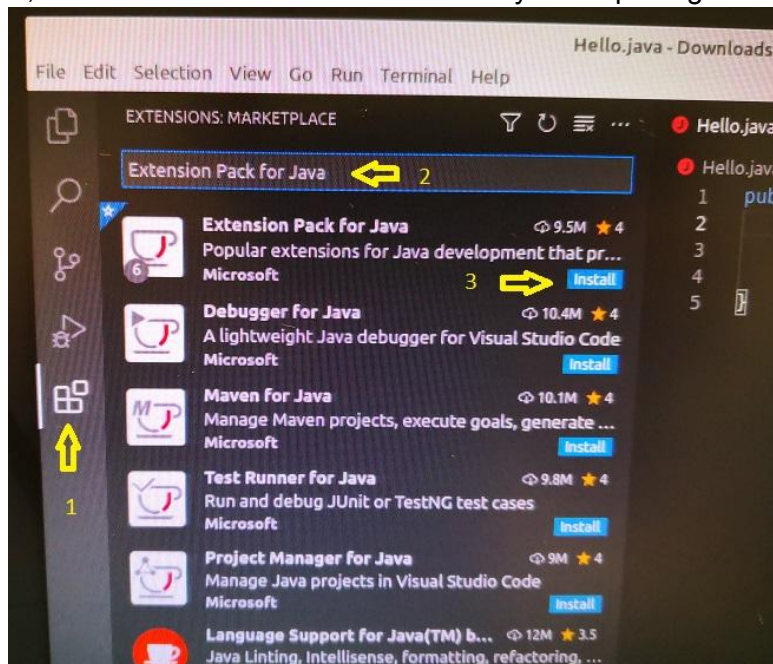
B201	B202
Turn on the PC and choose Linux	Turn on the PC and press F8 until a menu appears. Here choose to start from the hard disk (P1) followed by choosing Linux in the following menu

Login with username "**cs101**". If prompted for a password, enter "**cs101**" for that as well.

Start VSC by searching for "Visual Studio Code" in the start menu in the bottom left corner:

When VSC opens, install the Extension Pack for Java by first Opening the Extensions tab (1)

and then searching for "Extension Pack for Java" (2) and installing it (3).

Those students who would like to add a new input keyboard and use English (instead of the default Turkish), they might do so through the "Keyboard" application (search for Keyboard in the Start menu).