CSCI 210
HOMEWORK ASSIGNMENT 00

GETTING STARTED

DESCRIPTION

You will download, install, and setup Quartus II version 16.0 Lite Edition on your Windows or Linux machine, either directly or via some virtual machine. VMware is available via the department resources. Please see Mrs. Holody if you need access to it. If you need assistance with VMware, you will need to goto CSCC 209 or to Student Computing Services.

Quartus II version 16.0 Lite Edition is available at `https://www.altera.com/downloads/download-center.html`. Make sure you select the Lite Edition as others may require you to purchase a license. This could take several hours to download depending on your connection, so plan accordingly.

You should review "Getting Started with DE-Series Boards" and complete the "Quartus II Introduction" tutorial contained in the Materials zip file on the Moodle site. This is the main part of this assignment. Note, you do not need to complete Sections 8 or 9.2 of the tutorial.

Also, in Section 7, you will see the author mention the use of a pin assignment file for assigning input and output pins to the switches and LEDs. The pin assignment file for the DE0-CV can be found online, or for your convenience, are available in the same zip file in Moodle. It is named `DE0_CV.qsf`. You should get familiar with using this file and import the assignments into Quartus and simply name the input and output pins the same names for the locations as are specified in the file itself, like SW[0] and SW[1], and LEDR[0], etc.

Make sure when completing this tutorial, you create a new directory (folder) to hold the project you are creating, as you will be zipping up this entire directory and all subdirectories into a single file for submission into Moodle.

SUBMISSION: (NO LATE WORK ACCEPTED)

Prior to the due date and time posted in Moodle, upload your project into Moodle. This will be a zip file which contains the entire project directory structure. Your submission should be named userid-210-HW00.zip, where userid is your userid. Make sure to check two things after submitting your assignment:

(1) Your file has successfully been uploaded into Moodle.
(2) Download your file from Moodle, unpack the file, load and execute it on your board. If this doesn't work for me, you will loose significant credit on the assignment.