INSTALLING AND CONFIGURING COMPUTER SYSTEMS

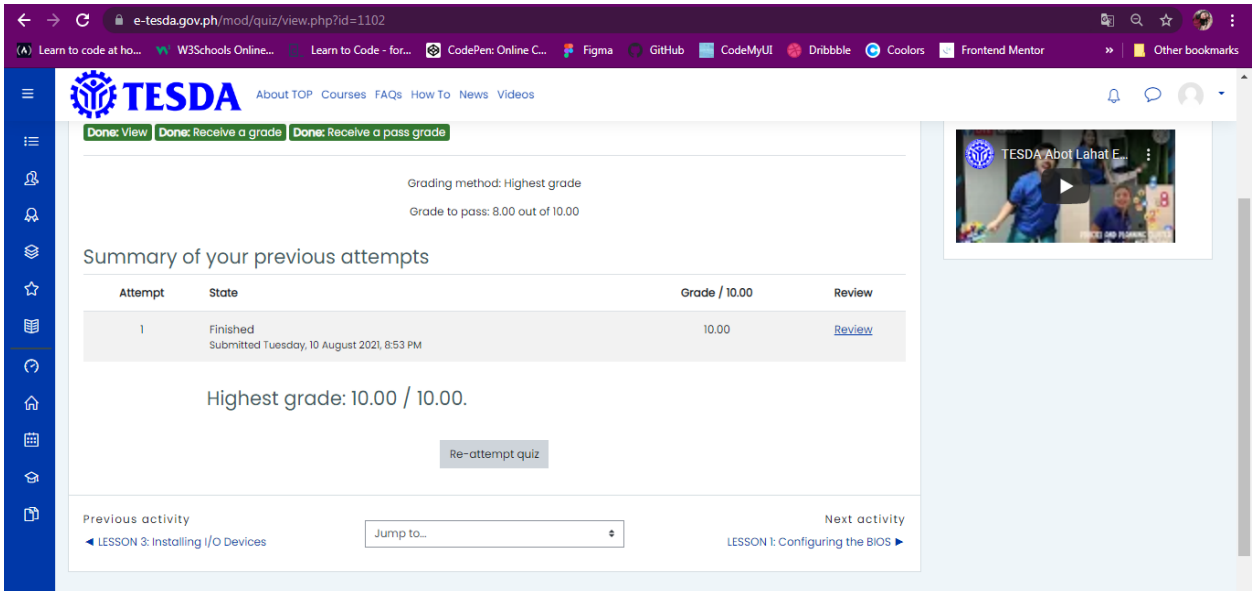
The Tesda course installing and configuring computer systems is divided into two units, consists of a total of 8 lessons. Before taking the course, I first answer a pre-test regarding both assembling and disassembling, and OS installation.

The lessons included in the first unit are disassembling a computer, assembling a computer, and installing input and output devices. Here I learned things to prepare before and after the assembling and disassembling of the system unit. Aside from the proper steps in assembling/disassembling and the proper way to unplug the wires and CPU, I also learned how important it is to write the details of each component in an inventory form. After the assembling and disassembling of the system unit, I also had a quick wrap-up of the steps in installing other hardware components of a computer such as a webcam, keyboard, mouse, speaker, and printer.

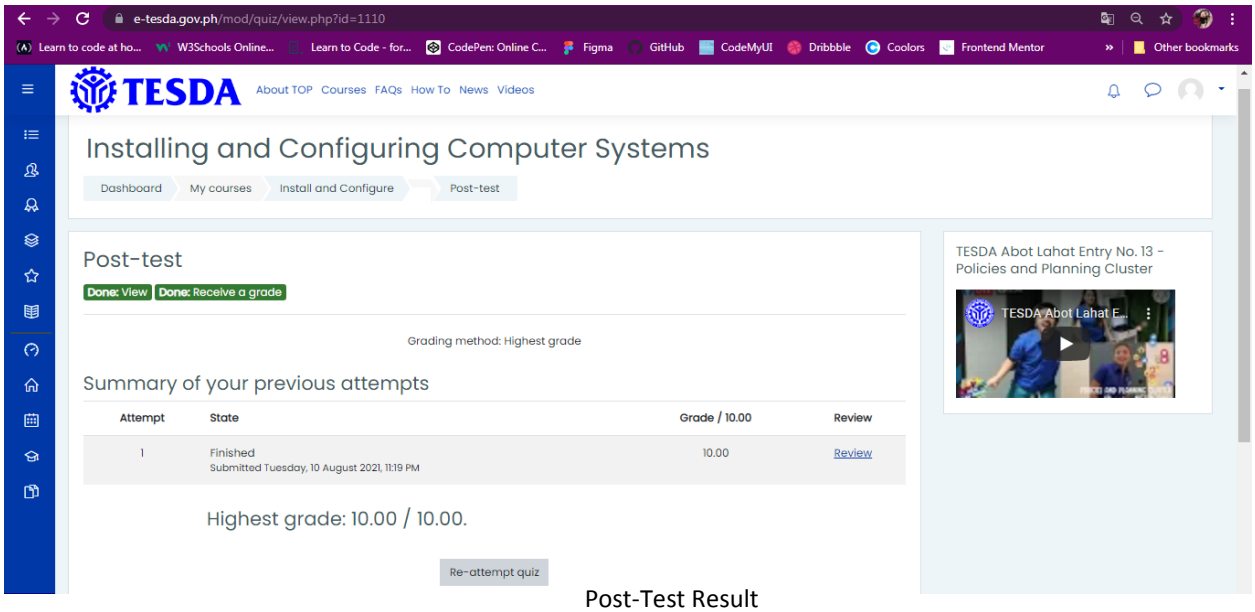
Unit 2 is composed of 5 lessons that started with configuring the BIOS. In this lesson, I learned what is BIOS and the several things it does. I also learned booting is required because first, hardware doesn't know where the operating system resides and how to load it and it needs a special program to do this job, which is called the Bootstrap loader. The bootstrap loader locates the kernel, loads it into the main memory, and starts its execution. And lastly is how to create a bootable device using the hard drive. Lesson 2 focuses on operating system installation, in where I learned what keys to press and what to click once I am on BIOS, and the steps to do after the booting process. The next lesson tackled Installing device drivers which are essential because they help the operating system use the device. The several ways to install a device driver are through manufacturer's DVD installer, through driver pack solution, device manager or driver update located on computer setting, and lastly through downloading online. And to check if the device driver installed is correct, we can open the control panel, select the system and security, on system select the device manager, and then click monitor to see that a genetic monitor is installed. In lesson 4, the topic is software installation of all software types: system software; application software; and programming software. I have also learned about the files system/formatting which is used by the OS to organize data or application files and the proper way to format the file system. There are different types of file system which are FAT file system, FAT32 file system, ExFat, and NTFS file system. And lastly lesson 5 that tackle about conducting a test. We do the conducting test to make sure that the computer runs perfectly. The basic testing procedures are (1) Gathering test information; (2) Validating test information; (3) Responding to the rest of the information; (4) Checking specifications. We can also conduct a test through External visual Inspection where we inspect hardware devices and cables if it is all connected properly. And the other way is by observing the boot routine

where we turn on the computer and examine the power supply, and checking the num lock, caps lock, and scroll keys light in the keyboard. If both do not work internal visual inspection should be done.

To conclude, the course is very informative and has helped me to review the lessons I have learned during high school and it introduces me to topics that I have not encountered yet and will be very useful for me in the future. After all the lessons I took a post-test which assesses what I have learned throughout the course.



Unit Test 1 Result



Post-Test Result