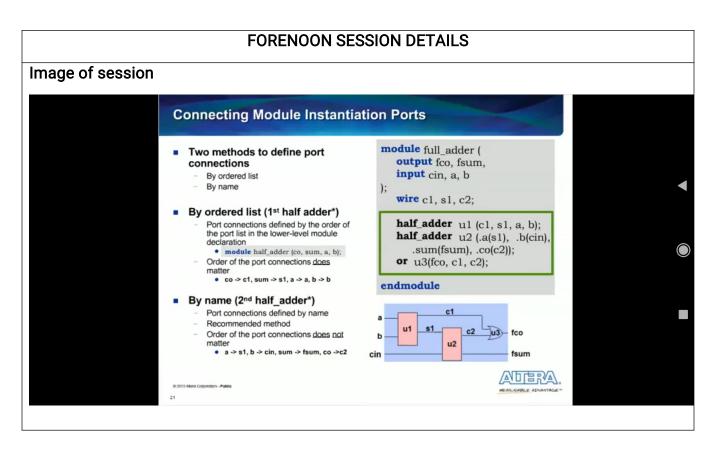
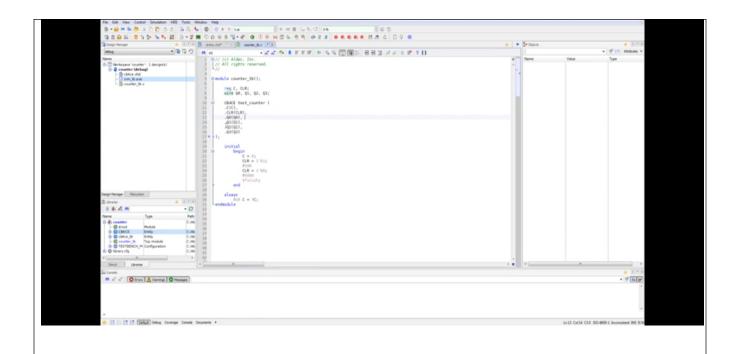
DAILY ASSESSMENT FORMAT

Date:	02-06-2020	Name:	Jagadeesha Hegde
Course:	DIGITAL DESIGN USING HDL	USN:	4AL17EC036
Topic:	FPGA Basics: Architecture, Applications and Uses Verilog HDL Basics by Intel Verilog Test bench code to verify the design under test (DUT)	Semester & Section:	6th A-sec
Github Repository:	Jagadeesha-036		





Report - Report can be typed or hand written for up to two pages.

FPGA Basics: Architecture, Applications and Uses Verilog HDL Basics by intel Verilog Test bench code to verify the design under test (DUT).

Specific application of an FPGA includes digital signal processing, bioinformatics, device controllers, software-defined radio, random logic, ASIC prototyping, medical imaging, computer hardware emulation, integrating multiple SPLDs, voice recognition, cryptography, filtering and communication encoding and many

more.

FPGAs are particularly useful for prototyping application-specific integrated circuits (ASICs) or processors. An FPGA can be reprogrammed until the ASIC or processor design is final and bugfree and the actual manufacturing of the final ASIC begins. Intel itself uses FPGAs to prototype new chips.

The FPGA is Field Programmable Gate Array. It is a type of device that is widely used in electronic circuits. FPGAs are semiconductor devices which contain programmable logic blocks and interconnection circuits. It can be programmed or reprogrammed to the required functionality after manufacturing.

The Device Under Test (D.U.T.) In this example, the DUT is behavioral Verilog code for a 4-bit counter found in Appendix A. This is also known as a Register Transfer Level or RTL description of the design. In the HDL source, all the input and output signals are declared in the port list.

end case

end

endmodule

Date: 02-06-2020 Name: Jagadeesha Hegde

Course: The Python Mega USN: 4AL17EC036

Course

Topic: Interactive Data Semester & 6th A-sec

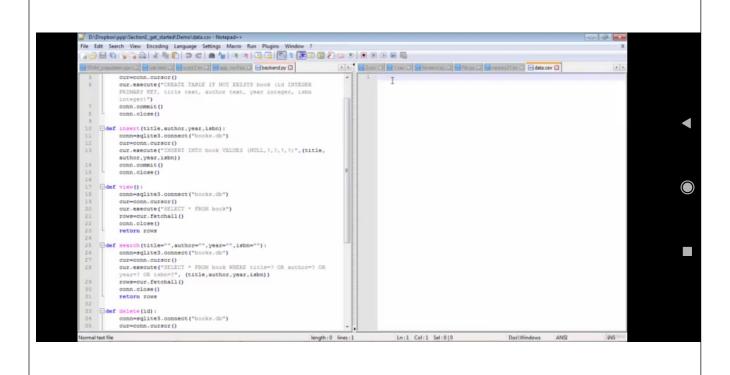
Visualization with Bokeh Section:

Webscraping with

Python

Beautiful Soup

AFTERNOON SESSION DETAILS Image of session ← → C 🗋 localhost:8888/notebooks/Basic%20graph.ipynb# 역상 ② 형 ③ 표 Jupyter Basic graph Last Chestiport: 21 minutes ago (u B + 3: 6 B + + H ■ C Code In [3]: Making a basic doken line graph from boken.plotting import figure from boken.io import output_file, show eprepare the output file output_file("Line.html")



Report – Report can be typed or hand written for up to two pages.					
SCRAPING WITH PYTHON BEAUTIFUL SOUP					
The incredible amount of data on the internet is a rich resource of any field id research or personal internet.					
o effectively harvest the data , you ll need to become skilled at web scraping .					
The python libraries requests and beautiful soul are powerful tools for job.if you like to learn with hands on examples and you have a basic understanding of python and HTML.					
INTERACRIVE DATA VISUALIZATION WITH BOKEH					
Bokeh prides itself on being a library for interactive data visualization.					
Unlike popular counterparts in the python visualization space, like matplotlib and seaborn, bokeh renders its graphics using HTML and java scripts.					