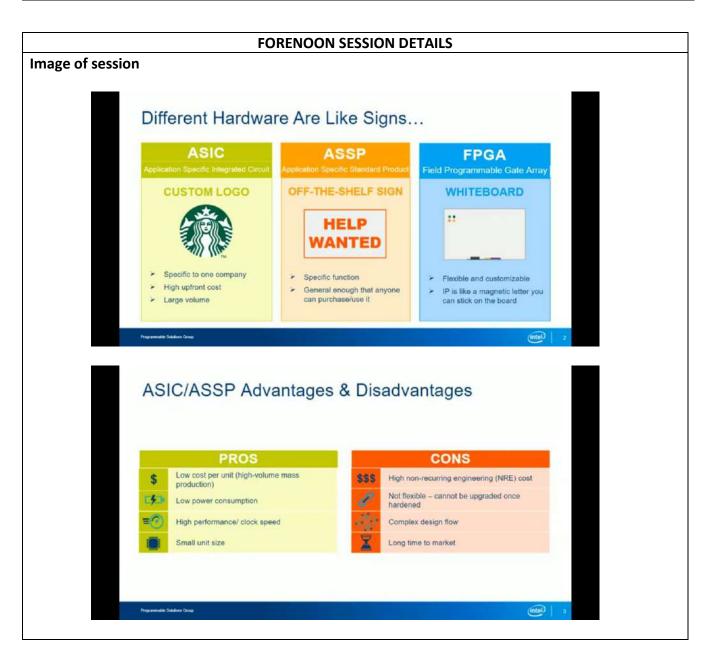
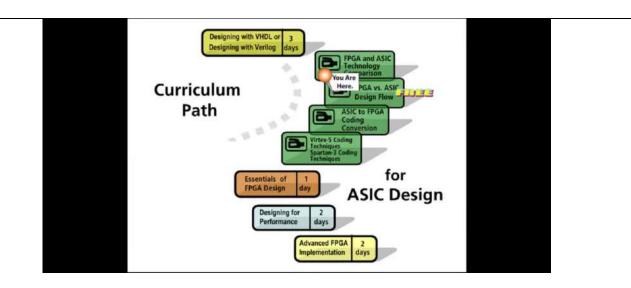
DAILY ASSESSMENT FORMAT

Date:	01/06/2020	Name:	Lavanya B
Course:	Digital system design using HDL	USN:	4al17ec043
Topic:	FPGA business fundamentals FPGA basics	Semester & Section:	6th A
Github	Lavanya-B		
Repository:			





Report

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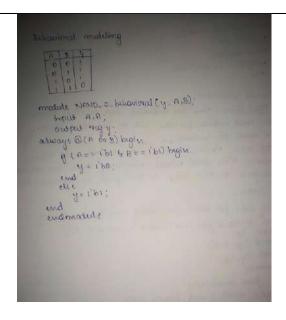
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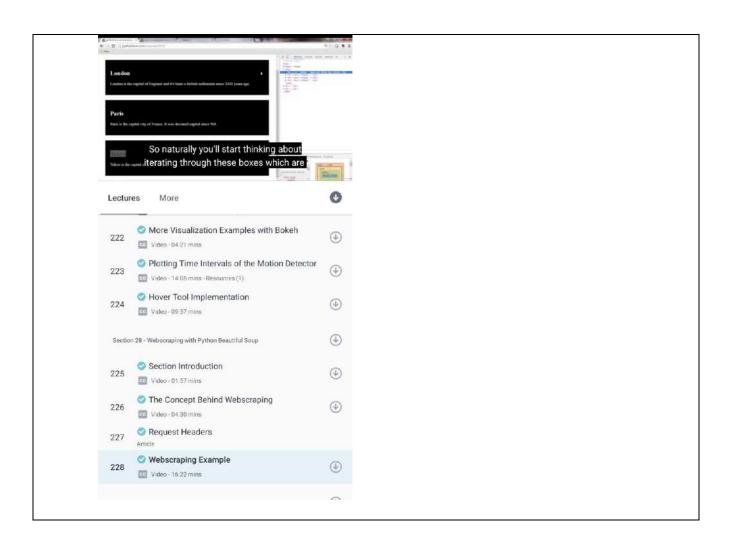
Date: 01/06/2020 Name: Lavanya B Course: Python USN: 4al17ec043

Topic: Webscraping with python beautiful Semester 6th A

soup & Section:

AFTERNOON SESSION DETAILS

Image of session



Report

Webscraping with python beautiful soup

Automated web scraping can be a solution to speed up the data collection process.

Webscraping

Web scraping is used to collect large information from websites.

- Price Comparison: Services such as ParseHub use web scraping to collect data from online shopping websites and use it to compare the prices of products.
- Email address gathering: Many companies that use email as a medium for marketing, use web scraping to collect email ID and then send bulk emails.
- Social Media Scraping: Web scraping is used to collect data from Social Media websites such as Twitter to find out what's trending.
- Research and Development: Web scraping is used to collect a large set of data (Statistics, General Information, Temperature, etc.) from websites, which are analyzed and used to carry out Surveys or for R&D.
- Job listings: Details regarding job openings, interviews are collected from different websites and then listed in one place so that it is easily accessible to the user.

Challenge

- 1. Variety
- 2. Durability

APIs

Application Programming Interfaces (APIs) that allow you to access their data in a predefined manner. With APIs, you can avoid parsing HTML and instead access the data directly using formats like JSON and XML. HTML is primarily a way to visually present content to users.

Extract data using webscraping

- 1. Find the URL that you want to scrape
- 2. Inspecting the Page
- 3. Find the data you want to extract
- 4. Write the code
- 5. Run the code and extract the data
- 6. Store the data in the required format

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