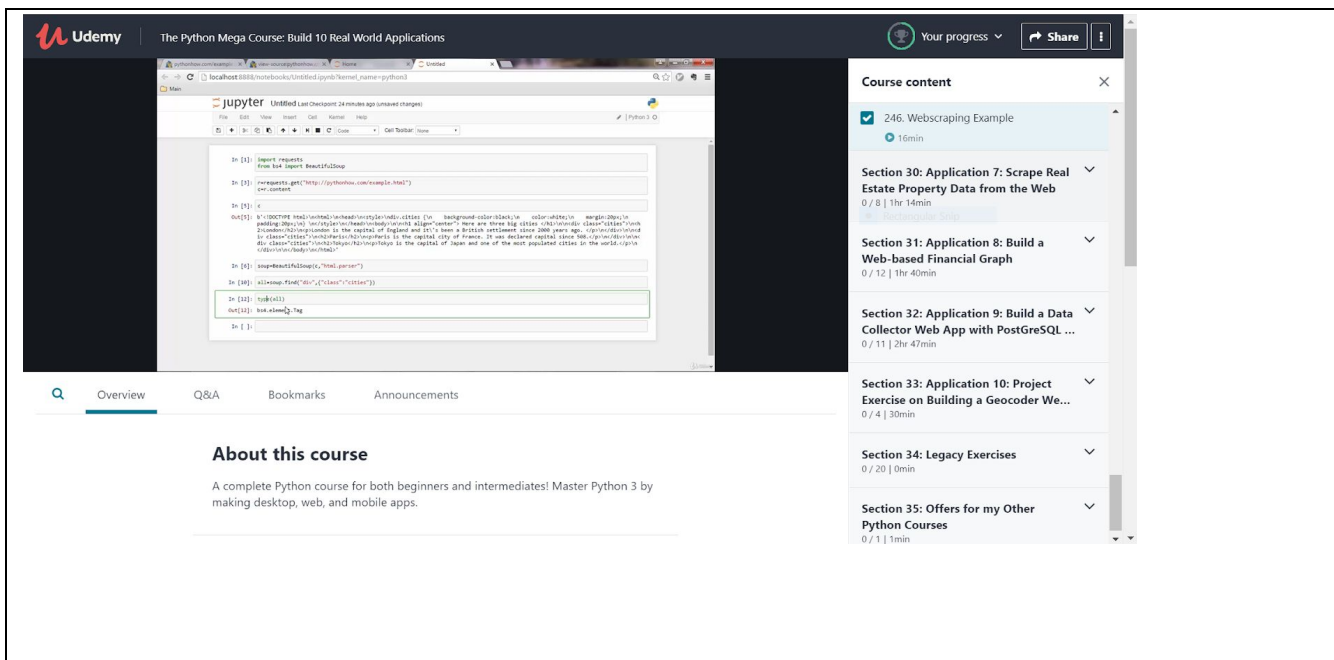


DAILY ASSESSMENT FORMAT

Date:	01-06-2020	Name:	Neha T
Course:	Python	USN:	4AL18EC035
Topic:	1.Interactive Data Visualization with Bokeh 2.Web Scrapping with Python Beautiful Soup	Semester & Section:	4th sem A sec
Github Repository:	Neha-T		

FORENOON SESSION DETAILS

Image of session



Report – Report can be typed or handwritten for up to two pages.

➤ Interactive Data Visualization with Bokeh

- **Introduction to Bokeh**
 - ★ **Bokeh is a Python interactive visualization library that targets modern web browsers for presentation providing elegant, concise construction of novel graphics with high-performance interactivity over very large or streaming datasets in a quick and easy way.**
 - ★ **Offering both powerful and flexible features to enable very advanced customizations in one hand and simplicity on the other, Bokeh exposes different interface levels to the users: A *low-level* bokeh.models interface that provides the most flexibility to application developers. An *intermediate-level* bokeh.plotting interface that is centered around composing visual glyphs. A *high-level* bokeh.charts interface that can be used to build complex statistical plots as quickly and as simply as possible. This Quickstart focuses on the bokeh.plotting interface**
- **Installing Bokeh**
- **First Bokeh Plot**
 - ★ **Plots are a central concept in Bokeh. They are containers that hold all the various objects (renderers, guides, data, and tools) that comprise the final visualization that is presented to users**
- **Using Bokeh with Pandas**
- **Plot properties**

- **Practicing to plot**
 - ★ **Triangles and Circle Glyphs**
 - ★ **Education Data**
 - ★ **Whether Data**
 - ★ **Time Intervals of the Motion Detector**
- **Also Visual Attributes with examples with Bokeh, Time series Plots, Hover Tool Implementation were discussed**

➤ **Web Scraping with Python Beautiful Soup**

- **Introduction**
 - ★ **Many of your coding projects may require you to pull a bunch of information from an HTML or XML page**
 - ★ **This task can be really tedious and boring, that is until you learn how to scrape the web with an HTML Parser! That's where Beautiful Soup comes in**
- **The concept behind Web scraping**
 - ★ **Web scraping refers to the extraction of data from a website. This information is collected and then exported into a format that is more useful for the user**
 - ★ **The overview of Web scraping were told in this session**
- **Request Header**
- **And some Examples of Web scraping**