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ADP-15CS55-Question Bank

Module-5

- Write a Python script to download a text file using url from web with request module.
- Write a Python script to extract paragraph elements from html using BeautifulSoup.
- Write a Python script to extract <h1> elements from html using BeautifulSoup.
- Write a Python script to get rows & columns from an excel sheet.
- Write Python script to extract text content from the pdf file.
- Write a Python script:
    - To read data from csv file using Reader object.
    - Write data to csv using Writer object.
- Explain how to start the browser using Selenium module.
- Explain selenium module methods used to fill out and submit forms.
- Write Python script to get full text from a docx file using getText() function.
- Write Python script to add multiple paragraphs to a doc file using add_paragraph() and append content to existing paragraph using add_run() method.
- Write Python script to copy pages from one pdf document to another pdf document to combine multiple PDF files.
- Describe how to raise an exception if there was an error downloading the file using request module
- Describe how to save downloaded files to the Hard Drive using request module.
- What are the steps to be followed to complete process for downloading and saving a file?
- What is HTML?Explain with example an element in HTML.
- Explain with example Creating a BeautifulSoup Object from HTML
- Describe with example finding an Element with the select() Method
- Illustrate the use of *list of Tag object* returned by select() method
- List the different selenium WebDriver methods for finding the elements
- List the different selenium WebElement Attributes and Methods
- How to enable Clicking the Page using selenium
- How web page scrolling up and down done by selenium module
- What are the selenium methods used to simulate clicks on various browser buttons
- Describe the following w.r.t to Excel Documnt:
    - Workbook
    - Cell
    - Sheet
- Write python script to Open the Excel Documents with OpenPyXL
- Write python script get Sheets from the Workbook
- Write python script to get Cells from the Sheets
- Explain Converting Between Column Letters and Numbers in Excel
- Write python script to get Rows and Columns from the Sheets
- Explain with example use of Worksheet object's rows and columns attribute to access the values of cells in a particular row or column
- What are the functions, methods, and data types involved in reading a cell out of a spreadsheet file?
- Write python script to create and save Excel Documents.

- Explain with example how Sheets can be added to and removed from a workbook with the create_sheet() and remove_sheet() methods.
- Write python script to write Values to Cells
- Write python script to set the Font Style of Cells
- Write python script to set sum formula to find sum of values in the cells
- Write python script to set Row Height and Column Width
- Explain with an example Merging and Unmerging Cells
- Why Freeze Pane used with excel sheets
- What is the procedure to be used to make a chart in Excel?
- Explain with an example bar chart creation using openpyxl.charts.BarChart().
- Write a python script to Decrypt PDF document
- Write a python script to rotate pages of a PDF rotateClockwise() and rotateCounterClockwise() methods.
- Write a python script to overlay the contents of one pdf page over another
- Write python script to add encryption to a PDF document using PdfFileWriter object.
- Explain the following with code related to word document:
    - Reading Word Documents
    - Styling Paragraph and Run Objects
    - Creating Word Documents with Nondefault Styles
    - Writing Word Documents
    - add paragraphs by calling the add_paragraph() method
    - Calling add_heading() adds a paragraph with heading style
    - Adding Line and Page Breaks
    - Adding Pictures
- Describe with example Reading Data from CSV file using Reader Objects in a for Loop
- Write python script to write data to a CSV file using Writer object.
- Explain delimiter and lineterminator Keyword Arguments used in CSV files
- Explain the following.

    - Reading JSON with loads() function
    - Writing JSON with dumps () function.
- Briefly describe the differences between the webbrowser, requests,BeautifulSoup, and selenium modules.
- What type of object is returned by requests.get()? How can you access the downloaded content as a string value?
- Say you have a Beautiful Soup Tag object stored in the variable spam for the element <div>Hello world!</div>. How could you get a string 'Hello world!' from the Tag object?

- What's the difference between the find_element_* and find_elements_* methods?
- You could call send_keys(Keys.ENTER) on the Submit button's WebElement object, but what is an easier way to submit a form with Selenium?
- What do the get_highest_column() and get_highest_row() sheet methods return, and what is the data type of these return values?
- How can you retrieve a tuple of all the Cell objects from A1 to F1?
- What is the difference between a Paragraph object and a Run object?
- How do you obtain a list of Paragraph objects for a Document object that's stored in a variable named doc?
- What type of object has bold, underline, italic, strike, and outline variables?
- What is the difference between setting the bold variable to True, False,or None?
- How do you create a Document object for a new Word document?
- How do you add a paragraph with the text 'Hello there!' to a Document object stored in a variable named doc?
- What integers represent the levels of headings available in Word documents?