creativecapsule

QA Auotomation Training '23

Python Selenium

Instructions

- Attempt to write Pseudo code or flowchart for the below problems before writing the code
- Convert the Pseudo code to Python Code

Overview

Complete all problems in each section before attempting new section.

Section 1

Task 1: Working With Files

Problem Statement

Find the Top 5 file in terms of size in a directory. It should check all files in current directory and its sub directories and print file names along with their path.

Task 2: Working With Excel File

Problem Statement

Using openpyxl package, Write a Python Class that lets you read a cell, read a block of cells, update a single cell, and find a string in a cell.

Note: Use packages: openpyxl

Task 3: Generate HTML Page

Problem Statement

Write a Python script that generates a simple HTML page. The minimum features it should support are basic HTML Tags, Tables, Bulleted Lists, and CSS.

Evaluate packages such as https://www.yattag.org/.

Task 4: Generate Chart

Problem Statement

Write a Python script that generates simple charts.

Hint: Evaluate packages such as matplotlib

Task 5: Desktop Notifier App

Problem Statement

Write a simple Desktop Notifier App that allows to add entries and then displays / notifies at scheduled time. Design classes (only the barebone structure without any functionality / code) that can be used to a write Web App Automation framework. For this -

1. Define what features the automation framework will support. e.g. multiple frameworks such as Selenium, Cypress etc, multiple drivers such as for Chrome, Firefox etc, ability to generate reports in various formats such as Excel, Html
2. Once discuss the list of features to include, define various classes and their relation. No actual code is required in the class methods.
3. Present your solution
