

Python Technologist Application Test

Problem 1

[This is](#) a Wikipedia webpage listing the 100 best Arabic novels according to the Arab Writers Union. In case it did not open for any reason try [this](#) alternative link for the same info

Using Python, do the following:

1. Scrap the webpage to get the books table and write it to excel file, Keeping all the content from the HTML table including Hyper-links if any.
2. Write the content to a Google sheet

Problem 2

Create REST APIs in Python using Flask to read (Get) and write (Post, Delete, Put) the local excel file from the previous problem. Please make sure to bundle all the API dependencies to be uasble. Deploying the API to Heroku would be a big plus.

Problem 3

Write a tool to create a PDF cover for the books, following the attached example "book-cover-sample.pdf". Considering the following:

1. The QR code should embed the book hyperlink from Wikipedia.
2. The QR code should be clickable to let the users acess it by c licking on it.
3. Include all the covers in one directory and compress it in ZIP format.

Task Guidelines:

1. Solve the problems inside the attached "answers notebook".
2. The final result is good but showing your best in the code its elf is unbeatable.
3. Make sure to include all your codes dependencies.

Delivrables:

1. P(1)
 - a. Excel sheet with extracted content
 - b. Accessable Google sheet with the same content
2. p(2)
 - a. A working API with all it is dependencies
 - b. Code snippets showing an example/examples for each use cas e
3. p(3)
 - a. Zip file contain all the books' covers
 - b. each cover file named after the book title
4. Include all the above in one ZIP file

Good luck!