Python_Applications/Online_Cod

github.com/Ram-95/Python_Applications/blob/master/Online_Coding_Platform_Rating_Tracker.py

Assignment 1

108 lines (77 sloc) | 4.06 KB

Raw Blame

```
    #Online Coding Platform Rating Tracker
'''
Scrapes the Online Coding Platforms like Codechef, Codeforces, HackerEarth and SPOJ with the help of given URLs and
extracts the rating for a given user and prints the rating.
'''
try:
    import bs4 as bs
    import requests
    # To print the results in a Tabular Format
    from prettytable import PrettyTable
    import Slack_Push_Notification as Slack

    table = PrettyTable(['Coding Platform', 'Rating / Rank / Score'])


    #URLs of Coding Platforms
    cc_url = 'https://www.codechef.com/users/ramm_y2k'
    cf_url = 'http://codeforces.com/profile/iamram'
    he_url = 'https://www.hackerearth.com/users/pagelets/ram13/coding-data/'
    spoj_url = 'https://www.spoj.com/users/iam_ram/'
    ib_url = 'https://www.interviewbit.com/profile/i.am_ram/'
    lc_url = 'https://leetcode.com/ram_babu/'

    #Codeforces Scrapping
    cf_response = requests.get(cf_url)
    cf_html = cf_response.text
```

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```
26      cf_html = cf_response.text
27
28      cf_soup = bs.BeautifulSoup(cf_html, "lxml")
29
30      #Extracting the rating and the position
31      cf_rating = cf_soup.find('div', class_= 'info').find('ul').find('li').find('span').text
32      cf_position = cf_soup.find('div', class_ = 'user-rank').find('span').text.strip()
33
34      table.add_row(['Codeforces', cf_rating + ' (' + cf_position + ')'])
35
36
37
38      #Codechef Scrapping
39      cc_response = requests.get(cc_url)
40      cc_html = cc_response.text
41
42      cc_soup = bs.BeautifulSoup(cc_html, "lxml")
43
44      #Extracting the rating and stars
45      cc_rating = cc_soup.find('div', class_= 'rating-number').text
46      cc_stars = cc_soup.find('div', class_ = 'rating-star').text
47
48      table.add_row(['CodeChef', cc_rating + ' (' + cc_stars.strip() + ')'])
49
50
51
52      #HackerEarth Scrapping
53      he_response = requests.get(he_url)
54      he_html = he_response.text
```

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