

ENGR 102 – Programming Practice

Practice Session (Week 10)

In this practice session, you will build a web scraper for the Sehir website. Using your BeautifulSoup skills that you learned a little time ago you will fetch awards, grants, and achievements news from Istanbul Sehir University's web site. More specifically, you will do the following:

1. Go to <https://www.sehir.edu.tr/en/awards-grants-and-achievements>
2. Analyze the website first.
3. Check the source, and find if there is any id or class attribute that you can use to filter out the items that you are interested in.
4. Start the implementation.
 - a. First of all, write a function, called **make_soup**. It will get a link as a parameter, and return a soup object to parse the page at that link.
 - b. Write a function, called **get_awards**. It will get a soup object as a parameter, and return the data extracted from the corresponding web pages in the form of a dictionary. The content of the dictionary **should** be as follows:

```
{"ŞEHİR Faculty Member Assist. Prof. Yunus Uğur":{"link":"/en/awards-grants-and-achievements/yunus-ugur-tubitak-1001-destegi","title":"Mapping the Ottoman Cities: Socio-Spatial Conjunctions and Distinctiveness (1520-1540) ","description":"TÜBİTAK grant for the project of Assist. Prof. Yunus Uğur from ŞEHİR History Department and Center for Urban Studies", "date": "February 2018",}}
```

There are many ways to implement your dictionary. You can use a list of dictionaries as well.

5. Write a function called **print_awards** that takes the above dictionary and prints the dictionary content in a nice way. As an example, see the following:

Name : ŞEHİR Faculty Member Assist. Prof. Yunus Uğur

Title : Mapping the Ottoman Cities: Socio-Spatial Conjunctions and Distinctiveness (1520-1540)

Description : TÜBİTAK grant for the project of Assist. Prof. Yunus Uğur from ŞEHİR History Department and Center for Urban Studies

Date : February 2018

Link : /en/awards-grants-and-achievements/yunus-ugur-tubitak-1001-destegi

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Extra practice: Try to fetch news web page for Sehir University and print it in a nice way.

<https://www.sehir.edu.tr/en/news>