

ACLS















R



SS 2020 – Week 8

April 6

# Schedule

Calendar Week	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Module Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Date	17.02.	24.02.	02.03.	09.03.	16.03.	23.03.	30.03.	06.04.	13.04.	20.04.	27.04.	04.05.	11.05.	18.05.
Topic														
	February		March				April			May				



Introduction & RDB



Structured Query Language



Database & Python



Database & R



Data Warehouse



Not only SQL



Graph Database



Special

# Content

• Review		5'
• R and MySQL	🎓	40'
• R and SQLite	🎓	45'
• Exercises	🔧	135'



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• R and MySQL	🎓	40'
• R and SQLite	🎓	45'
• Exercises	🔧	135'



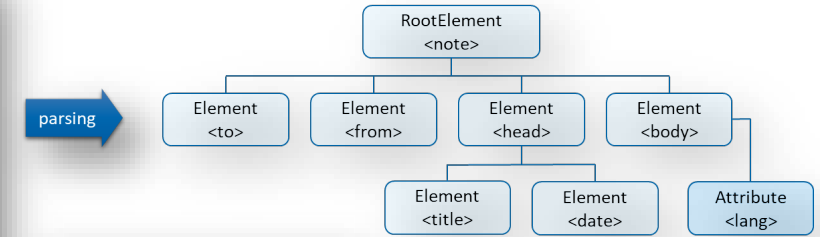
# Review

## Web Scraping



```
<note>
  <to>Tove</to>
  <from>Jani</from>
  <head>
    <title>Reminder</title>
    <date>14/02/2017</date>
  </head>
  <body lang='EN-US'>
    Theater this Sunday!
  </body>
</note>
```

Document



BeautifulSoup

DOM




```
# import beautiful soup
import bs4

# get pointer to webpage
wp = urllib.request.urlopen('http://www.somepage.com')

# parse document
soup = bs4.BeautifulSoup(html_doc, 'html.parser')

# get all urls in the document
urls = soup.find_all('a')
```

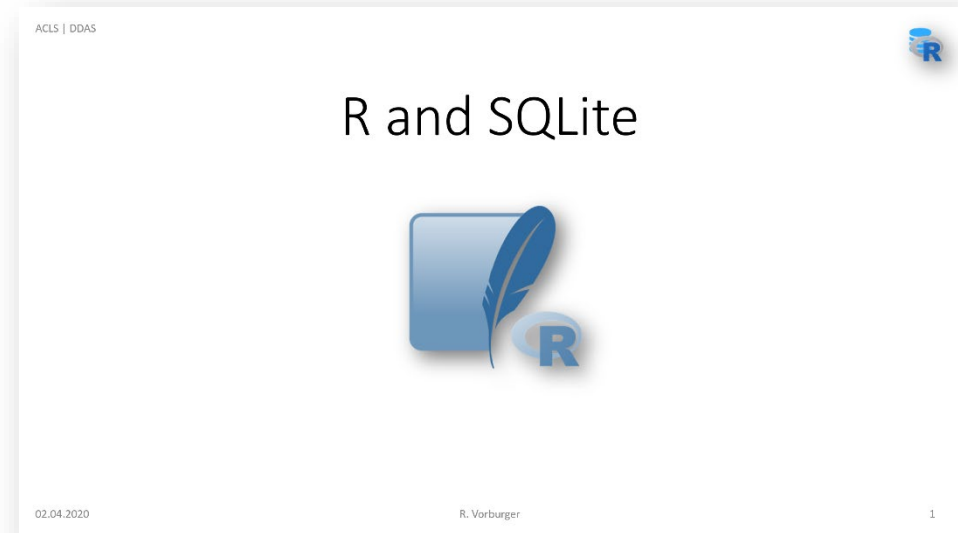
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## MSc ACLS Databases and Data Architecture Systems SS20

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### Week 08

- solutions
  - R\_MySQL.pdf
  - R\_SQLite.pdf

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